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USDA-DHIA SIRE SUMMARY LIST
MAY 1973

**Ayrshire, Guernsey, Holstein, Jersey,
Brown Swiss, Milking Shorthorn,
Red Dane, and Mixed Breed Sires**

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This USDA-DHIA Sire Summary List contains the most recent estimates of transmitting ability for milk and fat yield, fat percent, and income of bulls evaluated during the sire summary runs of September 1972, January 1973, and May 1973.

The genetic evaluations are based on yield information on the bulls' daughters which are located in herds participating in the Official Dairy Herd Improvement and Dairy Herd Improvement Registry recordkeeping plans. The information used is obtained by the USDA's Agricultural Research Service (ARS) from Dairy Herd Improvement Associations (DHIA's) that are affiliated with the National Cooperative Dairy Herd Improvement Program.

The USDA-DHIA Sire Summary List is published annually by ARS following the May sire summary run. It is usually available for distribution around September 1. Since it is an annual publication, no general mailing list is maintained. Dairymen and other interested persons can obtain a copy, as long as supplies last, by contacting the extension dairyman advising on dairy cattle breeding at the Agricultural University in their State (see table 8, page xxi) or by writing to the following address: Animal Improvement Programs Laboratory, Building 263, ARC-East, Beltsville, Maryland 20705. There is no charge for these books.

Persons desiring to obtain maximum benefit from the information contained in this book should read the introductory material prior to attempting to interpret the sire summaries.

USDA-DHIA SIRE SUMMARY LIST, MAY 1973

Containing Sire Summaries for
Ayrshire, Guernsey, Holstein, Jersey, Brown Swiss,
Milking Shorthorn, Red Dane, and Mixed Breed Sires

INTRODUCTORY MATERIAL

By F. N. Dickinson, B. T. McDaniel, H. D. Norman, G. J. King,
J. F. Keown, and R. L. Powell 1/

This USDA-DHIA Sire Summary List contains information for 351 Ayrshire, 1,680 Guernsey, 8,482 Holstein, 1,628 Jersey, 528 Brown Swiss, 117 Milking Shorthorn, 1 Red Dane, and 2 Mixed Breed sires. May 1973 summaries were compiled from Official DHI and DHIR lactation records received before April 14, 1973. January 1973 summaries were based on data received before December 20, 1972. September 1972 summaries were based on data received before August 30, 1972.

A sire summary is compiled for a sire when 10 or more of his daughters have lactation data and herdmate records reported. Sires in the following categories are summarized in this publication:

(1) Those for which sufficient information was available for the first time.
(2) Those reported to be active in artificial insemination on January 1, 1973, or later.
(3) Those for which enough additional information was available to warrant a resummary.
(4) Those for which special requests for summaries were received.

Details on rules for summarizing and resummarizing sires are given in the April 1968 Dairy Herd Improvement Letter, ARS 44-202.

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All production records used in USDA-DHIA Sire Summaries consist of lactation records of 305 days or less that have been standardized to a twice-a-day milking, mature-equivalent (ME) basis. When more than one lactation was available for a cow, all records for both the cow and her herdmates were averaged and used to represent her performance.

Incomplete lactation records were projected to a 305-day basis by factors that take into account breed, age, milk, and milk fat if they were reported as having been terminated for the following reasons:

(1) At least one valid test followed by two consecutive missed tests,
(2) Cow sold from the herd,
(3) Cow died during lactation,
(4) Lactation ended by an abortion.

The projection factors used were published in the August 1965 Dairy Herd Improvement Letter, ARS 44-164.

Lactations made on three- or four-times-a-day milking were standardized to a twice-a-day (2X) basis with Kendrick's factors, published in ARS 52-1, January 1955, and more recently in the January-February 1972 Dairy Herd Improvement Letter, ARS 44-239.

The age-adjustment factors that were used in standardizing these records to ME considered the effects of breed, geographical region of the United States, and season of calving. They were published in the February 1967 Dairy Herd Improvement Letter, ARS 44-188.

Records that were deleted and not used in compiling summaries were:

(1) Those coded as complete but less than 180 days in length.
(2) Those coded as incomplete but less than 15 days in length.
(3) Those estimated for two or more consecutive test periods.
(4) Those initiated by abortion.
(5) Those that had no herdmates in 5-month moving season.

Currently reported lactation records were accepted into master files and used in the sire summaries only if the interval from calving date to production-run date (April 18, 1973) exceeded 364 days. This lapse-time interval has been tested and shown to be effective in reducing the high incidence of

incomplete records in early sire summaries. Records of cows calving after April 18, 1972, were set aside and will be re-entered in the next appropriate sire summary.

COMPILATION OF SIRE SUMMARY

The herdmate comparison is useful, because it largely removes from the estimate of a sire's breeding value complications arising from herd, year, and season-of-calving variations in production. Herd-year-season yield is based on a 5-month moving average. The appropriate herdmate average for each daughter of a sire is obtained by averaging all records of daughters of other sires calving in the herd in the same month as that daughter, in the previous 2 months, and in the succeeding 2 months (that is, the herd-year-season). For example, the herdmate average for a sire's daughter that calved in March is obtained by averaging the production of all cows, except her paternal sisters, that calved in that herd from January through May. However, lactations of cows reported without sire identification were not used as herdmates. All comparisons included in these summaries are on a within-breed-of-sire basis.

Adjusted Herdmate Average

Because the usefulness of the herdmate average is dependent in part on the number of herdmates available, the herdmates' production is adjusted to place the herdmate data on a comparable basis for all daughters. For each individual lactation of a sire's daughter, the herdmates' average is adjusted as follows:

$$AHMA = RBYSA + \frac{NHM}{NHM + 1} (HMA \text{ minus } RBYSA)$$

where: AHMA = Adjusted herdmate average for each lactation;
RBYSA = Regional breed-year-season average;
NHM = Number of herdmates; and
HMA = Herdmate average.

The regional breed-year-season averages were calculated from the 305-day, 2x, ME, Official DHI and DHIR records of cows that calved from January 1, 1960, to April 18, 1972. Three regional groupings are used for Ayrshire and Brown Swiss, 4 for Guernsey and Jersey, and 14 for Holstein. The averages for Milking Shorthorn and Mixed Breed are based on all cows that calved in the United States for the year-season in question. The primary cause of differences in the number of regions used for each breed was the number of lactations available to compute factors accurately. The States comprising each region are shown in table 7, page xx.

Breed Averages

The breed averages used to regress the adjusted herdmate averages in computing sire summaries that appear in this book were compiled from all lactation records of Official DHI and DHIR cows of each breed that calved in 1969 and 1970. These averages are shown in table 1.

Table 1.--Breed averages used for sire summaries in this book on a 305-day, 2X, ME basis

Breed	Cows	Milk	Fat	Fat
	No.	Lb	%	Lb
Ayrshire	46,557	11,528	3.88	447
Guernsey	209,021	10,027	4.61	462
Holstein	2,904,179	14,392	3.61	519
Jersey	210,379	9,200	4.98	458
Brown Swiss	55,095	12,518	4.00	501
Milking Shorthorn	6,226	10,308	3.70	381
Red Dane	232	13,076	3.88	507
Mixed Breed	12,901	14,288	3.58	512

Weighting Projected Records

It has long been known that the accuracy of projecting a lactation record is proportional to the number of days in milk. This principle was used to adjust incomplete lactations in this USDA-DHIA Sire Summary List. The procedure is as follows:

$$\text{Adj. Dau. Rec.} = \text{AHMA} + r_i\,(\text{Proj. Dau. Rec.} - \text{AHMA})$$

where: Adj. Dau. Rec. = Adjusted daughter record;

AHMA = Adjusted herdmate average for each lactation;

r_i = The phenotypic correlation between a record with i months in milk and a 305-day record; and

Proj. Dau. Rec. = Projected daughter record (305-day, 2X, ME).

The phenotypic correlations (r_i) for 2-year-old and for older cows are shown in table 2. As an example of their use, a projected record of 15 through 45 days duration made by a 2-year-old cow would receive only 72 percent as much weight as a complete 305-day lactation. The adjusted daughter records for a cow are weighted equally in calculating the adjusted daughter average when there is more than one lactation.

Table 2.--Phenotypic correlations (r_i) between records of i months duration and 305-day lactations

Cows	Months in Milk									
	1	2	3	4	5	6	7	8	9	10
2-yr-olds	0.72	0.83	0.88	0.92	0.94	0.96	0.97	0.98	0.99	1.00
3-yr and older	.60	.74	.82	.86	.91	.93	.96	.98	.99	1.00

Predicted Difference for Milk and Milk Fat Yields

The measure of transmitting ability for milk and fat is the Predicted Difference (PD). This value is the expected average deviation of a bull's progeny from their herdmates in breed average herds. To determine a bull's effective PD in a given herd, one-tenth of the difference between the herd average yield and the breed average should be subtracted algebraically from the bull's PD. For example, a bull with a +1,000 pounds PD for milk in breed average herds would have an effective PD of +800 pounds in herds averaging 2,000 pounds above breed average, but would have an effective PD of +1,200 pounds in herds averaging 2,000 pounds below breed average. The factor of "one-tenth" represents the average genetic portion of interherd differences in yield that affect an animal's effective transmitting ability in different herds. When each daughter of a bull has only one record, the Predicted Difference is computed as follows:

$$PD = \frac{Nh^2}{4 + (N-1)h^2 + \frac{4\Sigma n_i(n_i-1)}{N} C^2} \times$$

- $4 + (N-1)h^2$: Adjustment for number daughters
- $\frac{4\Sigma n_i(n_i-1)}{N}$: Adjustment for distribution of daughters over herds
- C^2: Environmental correlation

$$\left[\frac{\Sigma(\text{Adj. Dau. Rec.} - \text{AHMA})}{N} + 0.1\left(\frac{\Sigma \text{AHMA}}{N} - \text{Breed average}\right)\right]$$

- $\frac{\Sigma(\text{Adj. Dau. Rec.} - \text{AHMA})}{N}$: Adjustment for herd environment and number of herdmates
- $0.1\left(\frac{\Sigma \text{AHMA}}{N} - \text{Breed average}\right)$: Adjustment for herd genetic level

where:

N = Number of daughters in the summary;

h^2 = Heritability of milk and fat yields developed from a nationwide sample of records from paternal half-sisters = 0.19;

n_i = Number of daughters in the i^{th} herd. If a bull had nine daughters in herd 1, and six daughters in herd 2, $\Sigma n_i(n_i-1)$ = 9 (8) + 6 (5);

C^2 = The correlation among half-sisters that calved in the same herds. The relationship is one that results from common environment and certain genetic factors not accounted for by differences among bulls. The half-sister records are expressed as deviations from herdmates = 0.14;

Adj. Dau. Rec. = As defined on page iv; and

AHMA = As defined on page iv.

When one or more daughters of a bull have multiple records, the value Σw_j is substituted for N in the adjustment for the number of daughters. The formula for Predicted Difference then becomes:

$$PD = \frac{\Sigma w_j h^2}{4 + (\Sigma w_j - 1)h^2 + \frac{4\Sigma n_i(n_i-1)}{N} C^2} \left\{ \frac{\Sigma w_j [(\text{Adj. Dau. Avg.} - \overline{\text{AHMA}}) + 0.1\ (\overline{\text{AHMA}} - \text{Breed Average})]}{\Sigma w_j} \right\}$$

where: $w_j = \frac{r_j R}{R\,[1 + (r_j - 1)\,R]}$ = 1.00 for one record;
1.33 for two records;
1.50 for three records;
1.60 for four records;
1.67 for five records;
etc;

and

R = Repeatability of individual records
= 0.50;

r_j = Number of records on the j^{th} cow.

Adj. Dau. Avg. = The sum of the adjusted daughter records divided by the number of adjusted daughter records; and

$\overline{AHMA}$ = The sum of the adjusted herdmate average yields for milk or fat for all records divided by the number of records.

Predicted Difference for Fat Percent

The measure of a bull's transmitting ability for fat percent is the Predicted Difference for fat percent. It is the expected average deviation of a bull's progeny from their herdmates in breed average herds.

It is computed as follows:

$$\text{PD fat \%} = \frac{(\text{PD for fat} + \text{Breed avg. fat}) \times 100}{\text{PD for milk} + \text{Breed avg. milk}} - \text{Breed avg. fat \%}.$$

Repeatability of Predicted Differences for Milk and Milk Fat Yields

The precision with which Predicted Differences for milk and milk fat yields will estimate a bull's transmitting ability for milk and fat relative to other bulls of that breed depends on the following factors:

(1) Number of daughters in the summary.
(2) Number of herds in which the daughters are located.
(3) The distribution of the daughters among these herds.
(4) Number of lactations per daughter.

The measure of precision of the Predicted Difference is the Repeatability of the sire summaries. The formula below is the same as the first portion of the formula for Predicted Difference, given on page v. When each daughter in the summary has a single record, this is computed as follows:

$$\text{Repeatability of a sire summary} = \frac{Nh^2}{4 + (N-1)h^2 + \frac{4\Sigma n_i(n_i-1)}{N} C^2}.$$

The various terms of the formula are defined on p. vi.

When some daughters have multiple records, the formula for Repeatability becomes:

$$\frac{\Sigma w_j h^2}{4 + (\Sigma w_j - 1)h^2 + \frac{4\Sigma n_i(n_i-1)}{N} C^2}$$

where the terms are the same as described previously.

The Repeatability formula is the regression factor that is used to adjust the daughter-herdmate deviation for number of daughters, records per daughter, distribution of daughters in herds, the heritability of milk and milk fat yield, and the within-herd, half-sib correlation. The parameters used in computing the Repeatability of sire summaries are based on the best research information presently available. The value of h^2 (0.19) results in a Repeatability of $\frac{N}{N + 20}$ where all daughters have only one record and are in different herds. The value of C^2 (0.14) is based on USDA research with nationwide samples of data.

Effective Daughters Per Herd

The term "effective daughters per herd" is a index of the distribution of daughters over herds in terms of the distribution's effect on the Repeatability of the sire summary. If each daughter were in a separate herd, which is the optimal distribution in terms of the Repeatability, or reliability, of the sire summary, the effective daughters per herd would be 1.0. Thus the lower the value for effective daughters per herd, the more reliable the proof, for a fixed number of progeny.

The calculation of effective daughters per herd is based on the herd in which each daughter made her first record. The formula for the effective daughters per herd is:

$$1.0 + \frac{\Sigma n_i \ (n_i - 1)}{N}$$

where n_i and N are defined the same as previously.

When each daughter is not in a different herd, the effective-daughters-per-herd term indicates how they are distributed. For instance, assume that a bull has 25 progeny in 5 herds. They can be distributed in any manner from 5, 5, 5, 5, and 5, to 21, 1, 1, 1, and 1, but this is not shown by the number of daughters and herds. The effective daughters-per-herd in the first case is 5.0, that is, 5(5(4))/25 + 1.0, and in the second case is 17.8, that is, 21(20)/25 + 1.0. Any time the effective-daughters term deviates much from the average number of daughters per herd, most of the progeny are grouped in one or a few herds. Obviously, when a bull has many daughters in many herds, this parameter does not have much additional value for interpreting the sire summary. However, it is most useful when evaluating a bull on the basis of a relatively small number of daughters in a few herds.

INTERPRETATION OF SIRE SUMMARIES

Predicted Difference for Milk, PD for Fat, and Repeatability

Over a long period, the genetic improvement resulting from the bulls used in a herd will be largely dependent on the Predicted Difference of those bulls. The PD's are the best available estimates of a bull's transmitting ability for milk and fat. Transmitting ability is defined as one-half of the breeding value. Breeding value, therefore, is measured on the basis of an animal's complete genotype, whereas transmitting ability is a measure of the average worth of a random one-half of the genotype that is present in a sperm or an egg. (USDA-DHIA Cow Index Values are also expressed in terms of transmitting ability.) The Predicted Differences in these sire summaries are computed by using the Herdmate Comparison Method. The herdmate comparison has been shown to be effective in reducing environmental influences resulting from herd, year, and season of calving.

The Repeatability value is an index of reliability that tells how sure we are that the Predicted Differences for milk and fat reflect an individual bull's true transmitting ability. A confidence interval indicating the likelihood that the bull's true transmitting ability will fall within these limits can be set about each bull's PD. It does not insure that any specific bull's transmitting ability lies within these confidence limits. The greater the Repeatability value, or confidence factor of a summary, the greater the chance that the Predicted Difference is close to the true transmitting ability of the bull for milk and fat yield. The 60- and 80-percent confidence intervals that can be placed about the Predicted Differences for individual bulls of various breeds are given in table 3. Repeatability also indicates that a given proportion of all bulls that have a specific Predicted Difference and Repeatability will have transmitting abilities that fall within these limits.

Table 3.--A comparison of 60- and 80-percent confidence intervals by breed for Predicted Differences at given Repeatability levels

Repeatability	60-percent confidence interval	80-percent confidence interval
%	Lb	Lb
Brown Swiss and Holsteins		
20	+414	+630
30	∓387	∓589
40	∓358	∓546
50	∓327	∓498
60	∓293	∓446
70	∓253	∓386
80	∓207	∓315
90	∓146	∓223
Ayrshire, Guernsey, Jersey, Milking Shorthorn, Red Dane, and Mixed Breed		
20	+301	+458
30	∓281	∓429
40	∓261	∓397
50	∓238	∓362
60	∓213	∓324
70	∓184	∓281
80	∓150	∓229
90	∓106	∓162

As an example of the use of this table, assume that a Holstein bull has a Predicted Difference of +800 pounds for milk, with a Repeatability of 70 percent. The 80-percent confidence interval on this Predicted Difference is +386 pounds. This means that there is an 80-percent likelihood that this bull will have a true transmitting ability between +414 pounds and +1,186 pounds.

The choice between two bulls with similar Predicted Differences involves less gamble when the bull with the higher Repeatability value is selected. However, one should keep in mind that Predicted Difference, not Repeatability, determines genetic progress in the long run. Also, because of the sampling nature of inheritance, any one daughter of a bull may deviate widely from the level of performance that would be expected based on her sire's PD. Therefore, a bull's transmitting ability should not be judged from just a single daughter or even on the basis of very few daughters.

Repeatability values have also been used to construct tables that show the probabilities that bulls with given Predicted Differences are above breed average in transmitting ability. These tables are given in the April 1968 Dairy Herd Improvement Letter, ARS 44-202, pp. 21-23.

Tables that show probabilities that one bull is superior to another for various Predicted Differences and Repeatabilities are given in the December 1968 Dairy Herd Improvement Letter, ARS 44-207.

Predicted Difference for Income

Even though the transmitting abilities of bulls and cows have been, for the most part, evaluated separately on the basis of milk and fat yield, the economic value of the milk produced depends on both the quantity of milk and its milk solids content. At present in most milk-marketing areas of the United States, total income from milk produced depends upon the bulk and the milk fat percentage. For this reason, an economic index has been added to each bull's summary to predict gross income in relation to breed average based on the bull's Predicted Differences for milk and fat. This economic value should help to simplify selection among bulls of the same breed. This economic index is based on gross income. Since the relationship between gross income and net income is quite high, selection based on the Predicted Difference for total income should be effective for increasing net income as well.

Predicted Difference for income permits the direct comparisons of individual bulls to breed average in the same manner as do PD's for milk and fat, based on the income expected from their daughters. The income values are computed from 305-day, 2X, ME production, the same as are PD's for milk and fat.

The formula for computing the Predicted Difference for income for a specific bull is:

$$PD_{\$} = (PD_m) \times (M_{\$} - F_{\$} \times B) + (PD_f) \times (F_{\$})$$

where: $PD_{\$}$ = The Predicted Difference for income in dollars;

PD_m = The Predicted Difference for milk in pounds;

PD_f = The Predicted Difference for fat in pounds;

$M_{\$}$ = The price paid for a unit of milk at the base test;

= \$0.059/lb 2/;

$F_{\$}$ = The fat differential, or the price paid for a unit of fat and other associated solids;

= \$0.82/lb 2/; and

B = The base test;

= 0.035. 2/

The average 1972 U.S. prices for milk and milk fat were used to calculate the value of production for individual bulls. 2/

Substitution of the 1972 U.S. average prices for milk and fat results in a formula that can be used to calculate $PD_{\$}$ for any bull.

2/ The average U.S. milk price for 1972 was \$5.90/cwt for 3.5-percent milk, and the average fat differential was \$0.082/0.1 percent/cwt. Source: Dairy Situation, Economic Research Service, USDA, DS-344. March 1973.

$$PD_{\$} = PD_m \times (\$0.059/1b - \$0.82/1b \times 0.035) + PD_f \times (\$0.82/1b);$$

$$= PD_m \times (\$0.059/1b - 0.0287/1b) + PD_f \times (\$0.82/1b);$$

$$= PD_m \times (\$0.0303/1b) + PD_f \times (\$0.82/1b)$$

$$= 0.0303\ PD_m + 0.82\ PD_f.$$

Example:

Calculate the Predicted Difference for dollar income for a bull having PD's of +1,000 for milk and +30 for fat.

$$PD_{\$} = +1{,}000\ 1b \times (\$0.0303/1b) + 30\ 1b \times (\$0.82/1b)$$

$$= \$30.30 + \$24.60$$

$$= \$54.90, \text{ rounded} = \$55.00.$$

Predicted Differences for income ($PD_{\$}$) are shown in table 4 for various levels of PD milk and PD fat. These values are based on the 1972 U.S. average prices for milk and fat given on the preceding page.

A study in 1970 showed that evaluating bulls using the average prices of $5.50/cwt, for 3.5-percent milk and $0.083/0.1 percent/cwt fat differential resulted in nearly the same ranking of bulls as when the 3.5-percent-based milk prices were either $4.50/cwt (manufacturing milk price) or $7.00/cwt (Class I price). The correlations between bulls' Predicted Differences for dollar income (based on average U.S. prices) and gross income from either the manufacturing or Class I prices were above 0.99 for the Ayrshire, Guernsey, Holstein, Jersey, and Brown Swiss breeds.

Correlations between PD milk or PD fat with dollar value were lower (0.85 to 0.97). This indicates that dollar value at U.S. average prices is a better predictor of economic value for other markets such as manufacturing or Class I than individual PD's for milk or fat.

TABLE 4. THE ADDITIONAL VALUE OF MILK EXPECTED OF THE DAUGHTERS OF BULLS OR COWS ACCORDING TO PREDICTED DIFFERENCES OR COW INDEXES FOR MILK AND FAT (BASED ON A PRICE OF $5.90 PER HUNDRED POUNDS OF MILK HAVING 3.5% FAT AND A DIFFERENTIAL OF $0.082 PER 0.1% PER CWT.)

	PREDICTED DIFFERENCE OR COW INDEX FOR FAT (LBS.)												
PRED.DIFF. OR COW INDEX FOR MILK (LBS.)	-10	0	5	10	15	20	25	30	35	40	50	60	70
	DOLLAR DEVIATION FROM BREED AVERAGE												
-400	-20.32	-12.12	-8.02	-3.92	0.18	4.28	8.38	12.48	16.58	20.68	28.88	37.08	45.28
-300	-17.29	-9.09	-4.99	-0.89	3.21	7.31	11.41	15.51	19.61	23.71	31.91	40.11	48.31
-200	-14.26	-6.06	-1.96	2.14	6.24	10.34	14.44	18.54	22.64	26.74	34.94	43.14	51.34
-100	-11.23	-3.03	1.07	5.17	9.27	13.37	17.47	21.57	25.67	29.77	37.97	46.17	54.37
0	-8.20	0.0	4.10	8.20	12.30	16.40	20.50	24.60	28.70	32.80	41.00	49.20	57.40
100	-5.17	3.03	7.13	11.23	15.33	19.43	23.53	27.63	31.73	35.83	44.03	52.23	60.43
200	-2.14	6.06	10.16	14.26	18.36	22.46	26.56	30.66	34.76	38.86	47.06	55.26	63.46
300	0.89	9.09	13.19	17.29	21.39	25.49	29.59	33.69	37.79	41.89	50.09	58.29	66.49
400	3.92	12.12	16.22	20.32	24.42	28.52	32.62	36.72	40.82	44.92	53.12	61.32	69.52
500	6.95	15.15	19.25	23.35	27.45	31.55	35.65	39.75	43.85	47.95	56.15	64.35	72.55
600	9.98	18.18	22.28	26.38	30.48	34.58	38.68	42.78	46.88	50.98	59.18	67.38	75.58
700	13.01	21.21	25.31	29.41	33.51	37.61	41.71	45.81	49.91	54.01	62.21	70.41	78.61
800	16.04	24.24	28.34	32.44	36.54	40.64	44.74	48.84	52.94	57.04	65.24	73.44	81.64
900	19.07	27.27	31.37	35.47	39.57	43.67	47.77	51.87	55.97	60.07	68.27	76.47	84.67
1000	22.10	30.30	34.40	38.50	42.60	46.70	50.80	54.90	59.00	63.10	71.30	79.50	87.70
1100	25.13	33.33	37.43	41.53	45.63	49.73	53.83	57.93	62.03	66.13	74.33	82.53	90.73
1200	28.16	36.36	40.46	44.56	48.66	52.76	56.86	60.96	65.06	69.16	77.36	85.56	93.76
1300	31.19	39.39	43.49	47.59	51.69	55.79	59.89	63.99	68.09	72.19	80.39	88.59	96.79
1400	34.22	42.42	46.52	50.62	54.72	58.82	62.92	67.02	71.12	75.22	83.42	91.62	99.82
1500	37.25	45.45	49.55	53.65	57.75	61.85	65.95	70.05	74.15	78.25	86.45	94.65	102.85
1600	40.28	48.48	52.58	56.68	60.78	64.88	68.98	73.08	77.18	81.28	89.48	97.68	105.88
1700	43.31	51.51	55.61	59.71	63.81	67.91	72.01	76.11	80.21	84.31	92.51	100.71	108.91
1800	46.34	54.54	58.64	62.74	66.84	70.94	75.04	79.14	83.24	87.34	95.54	103.74	111.94
1900	49.37	57.57	61.67	65.77	69.87	73.97	78.07	82.17	86.27	90.37	98.57	106.77	114.97
2000	52.40	60.60	64.70	68.80	72.90	77.00	81.10	85.20	89.30	93.40	101.60	109.80	118.00
2100	55.43	63.63	67.73	71.83	75.93	80.03	84.13	88.23	92.33	96.43	104.63	112.83	121.03
2200	58.46	66.66	70.76	74.86	78.96	83.06	87.16	91.26	95.36	99.46	107.66	115.86	124.06
2300	61.49	69.69	73.79	77.89	81.99	86.09	90.19	94.29	98.39	102.49	110.69	118.89	127.09
2400	64.52	72.72	76.82	80.92	85.02	89.12	93.22	97.32	101.42	105.52	113.72	121.92	130.12
2500	67.55	75.75	79.85	83.95	88.05	92.15	96.25	100.35	104.45	108.55	116.75	124.95	133.15

Very little information is available at present on the ability of individual bulls to transmit higher protein or solids-not-fat content. Such information will be incorporated into Predicted Differences for income at some later time when milk pricing is based on these components, and an evaluation on individual bulls for these traits becomes available.

Additional Information on the Sire Summaries

Situations occasionally arise that can cause a sire summary to be an inaccurate estimate of a bull's transmitting ability. Some of these are:

(1) Preferential treatment of daughters over their herdmates,
(2) Daughters of only one or a very few bulls represented among the herdmates,
(3) None or only a few herdmates of the same age as the daughters of the bull,
(4) A selected sample of the bull's daughters is available for the summary.

These situations are most likely to occur among bulls with low Repeatabilities (17 to 40 percent), although they can occur sometimes in bulls with moderate Repeatabilities (41 to 70 percent). For these reasons, dairymen are cautioned against breeding a large part of their herd to any single low-Repeatability bull.

The presence of ** in percent incomplete first lactation (% 1st inc) indicates that fewer than one-half of the bull's daughters have had first records reported. This frequently means that a selected sample of daughters has been reported. Therefore, the summary of the bull with "**incomplete first lactations" should be interpreted with caution.

The format of the sire summaries is explained in figure 1. The location and meaning of each item of data are given.

The State codes used in the National Cooperative Dairy Herd Improvement Program are shown in table 5. These codes can be used to determine States in which daughters of bulls are located.

When a bull is, or has been, in an AI stud, the USDA-DHIA Sire Summary List shows the sire's AI stud number, or the last organization that owned him. The list of AI organizations that have operated in the United States in recent years is shown in table 6. This list has been compiled from reports received by the Animal Physiology and Genetics Institute, ARS. Some organizations listed in table 6 may no longer exist, but are referred to because the sires that they owned are summarized. An asterisk (*) preceding the name of an AI organization indicates that the organization was reported as being active on January 1, 1973. The State and AI organization codes together make up the sire's stud identification number.

Table 7 shows the grouping of States used in regional breed-year-season averages.

Table 8 is the list of extension dairymen advising on dairy cattle breeding programs in each State.

Figure 1.--Format of Sire Summaries contained in this book

REGISTRATION NUMBER	NAME OF BULL				STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	.....DAUGHTERS AND HERDMATES..... DAUS HM/DAU	REC/DAU HERDMATE	MILK MILK	% %	FAT FAT	% 1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
a	b				g h	i	j	k	l	n	o	p	q	u	v	w	x	y	z
126159	BRISKLEA COMMODORE....				* 21-10	49	1	9-11,12,	90	1.7	12,329	3.86	476	17	81	+500	-.06	+12	+23
c	d	e	f						m		r	s	t						
10-01-62	117936	612884	9-70					13,21,23	28		11,751	3.95	464						

a Registration number

b Registration name

c Bull's birth date

d Registration number of sire of bull

e Registration number of dam of bull

f Date of summary

g Presence of an asterisk indicates that 51 percent or more of progeny in the summary were registered

h AI stud in which bull is located (See table 6)

i Number of herds in which the daughters are located

j Effective distribution of daughters per herd

k Number of States in which progeny are located, followed by a list of States (up to five) having the highest number of daughters (See table 5)

l Number of daughters having herdmates

m Average number of herdmates per daughter

n Average number of records per daughter

o Daughters' average milk (305-day, 2X, ME), 1b

p Daughters' percent fat (305-day, 2X, ME)

q Daughters' average fat (305-day, 2X, ME), 1b

r Adjusted herdmate average milk, 1b

s Adjusted herdmate percent fat

t Adjusted herdmate average fat, 1b

u Percent of first lactation progeny with incomplete records (**if first lactations not available on 50 percent or more of progeny)

v Repeatability of this summary in percent

w Predicted Difference for milk, 1b

x Predicted Difference for percent fat

y Predicted Difference for fat, 1b

z Predicted Difference for gross income, dollars

TABLE 5.--State codes used in the National Cooperative Dairy Herd Improvement Program

11	Maine	55	North Carolina
12	New Hampshire	56	South Carolina
13	Vermont	57	Georgia
14	Massachusetts	58	Florida
15	Rhode Island	61	Kentucky
16	Connecticut	63	Tennessee
21	New York	64	Alabama
22	New Jersey	65	Mississippi
23	Pennsylvania	71	Arkansas
31	Ohio	72	Louisiana
32	Indiana	73	Oklahoma
33	Illinois	74	Texas
34	Michigan	81	Montana
35	Wisconsin	82	Idaho
41	Minnesota	83	Wyoming
42	Iowa	84	Colorado
43	Missouri	85	New Mexico
45	North Dakota	86	Arizona
46	South Dakota	87	Utah
47	Nebraska	88	Nevada
48	Kansas	91	Washington
50	Delaware	92	Oregon
51	Maryland	93	California
52	Virginia	94	Puerto Rico
54	West Virginia	95	Hawaii
		96	Alaska

TABLE 6.--LOCATION, CODE NUMBER, AND NAME OF ARTIFICIAL BREEDING ORGANIZATIONS IN THE UNITED STATES

STATE	STATE CODE	AI STUD CODE	NAME AND ADDRESS
ALASKA	96	01	*MATANUSKA VALLEY BREEDERS ASSN, P.O. BOX AE, PALMER 99645
ARIZONA	86	02	EADS CATTLE BREEDING SERVICE
CALIFORNIA	93	01	CALIFORNIA DAIRY BREEDERS, INC.
CALIFORNIA	93	02	*ADDHR FARMS INSEMINATING SERVICE, RT. 1, P.O. BOX 88, CAMARILLO 93010
CALIFORNIA	93	03	*EXCELSIOR FARMS, RT. 1, BOX 128, 7401 ADAMS AVE., CORONA 91720
CALIFORNIA	93	05	JESSUP BREEDERS
CALIFORNIA	93	10	PACIFIC BREEDERS CO-OP.
CALIFORNIA	93	15	DIAMOND J BREEDERS
CALIFORNIA	93	17	*THE BULL BANK, 18907 E. LONE TREE ROAD, ESCALON 95320
CALIFORNIA	93	18	*BUNKER, V. C., DVM, 2055 BEAR VALLEY ROAD, ESCONDIDO 92025
CALIFORNIA	93	19	*CARNATION CO./GENETICS DIVISION, P.O. BOX 938, HUGHSON 95326
			WISCONSIN UNIT, P.O. BOX 437, WATERTOWN, WISCONSIN 53094
COLORADO	84	01	COLORADO STATE UNIV. ABS
CONNECTICUT	16	04	NEW ENGLAND SELECTIVE BREEDING ASSN, INC.
CONNECTICUT	16	07	*HERDSMAN, BOX 391, PUTNAM 06260
HAWAII	95	03	HALEAKALA RANCH DAIRY FARM
ILLINOIS	33	01	NORTHERN ILLINOIS BREEDING CO-OP.
ILLINOIS	33	02	SOUTHERN ILLINOIS BREEDING ASSN
ILLINOIS	33	03	*CURTISS BREEDING SERVICE, INC., CARY 60013
INDIANA	32	02	JOHN A. NEWMAN & SONS
IOWA	42	02	EASTERN IOWA BREEDERS
IOWA	42	08	IOWA BREEDERS CO-OP.
KANSAS	48	01	*KANSAS ARTIFICIAL BREEDING SERVICE UNIT, ANDERSON HALL, KANSAS STATE UNIV.,
			MANHATTAN 66502
KENTUCKY	61	01	KENTUCKY ARTIFICIAL BREEDING ASSN
LOUISIANA	72	01	*LOUISIANA ANIMAL BREEDERS CO-OP. INC., BOX B.D., LSU, BATON ROUGE 70803
MAINE	11	01	MAINE BREEDING COOPERATIVE, INC.
MARYLAND	51	02	MARYLAND-WEST VIRGINIA BULL STUD
MICHIGAN	34	01	MICHIGAN ANIMAL BREEDERS CO-OP. INC.
MICHIGAN	34	07	*GENERAL GENETICS, P.O. BOX 23, JENISON 49428
MINNESOTA	41	01	*MINNESOTA VALLEY BREEDERS ASSN, NEW PRAGUE 56071
MINNESOTA	41	04	CONSOLIDATED BREEDERS CO-OP.
MINNESOTA	41	25	MIDWEST GENES, INC.
MISSISSIPPI	65	02	MISS. ANIMAL BREEDERS CO-OP.
MISSOURI	43	02	M. F. A. ABA
NEBRASKA	47	01	NEBRASKA DAIRY BREEDERS
NEW HAMPSHIRE	12	03	NEW HAMPSHIRE-VERMONT BREEDING ASSN
NEW JERSEY	22	01	SUSSEX CO-OP. BREEDING ASSN, INC.
NEW JERSEY	22	03	NEW JERSEY COOPERATIVE BREEDERS ASSN, INC.
NEW YORK	21	01	NEW YORK ABC, INC.
NEW YORK	21	10	*EASTERN ARTIFICIAL INSEMINATION CO-OP., INC., P.O. BOX 518, ITHACA 14850
NORTH CAROLINA	55	01	*N.C. INSTITUTIONAL BREEDING ASSN, 225 POLK HALL, N. C. STATE UNIV., RALEIGH 27607
OHIO	31	01	CENTRAL OHIO BREEDING ASSN
OHIO	31	02	*NOBA, INC., RT. 4, P.O. BOX 667, TIFFIN 44883
OHIO	31	07	*SELECT SIRES, INC., RTE. 3, BOX 126 PLAIN CITY 43064
OREGON	92	01	OREGON BREEDERS ASSN
PENNSYLVANIA	23	01	ZIMMERMAN DAIRY FARM
PENNSYLVANIA	23	02	FIRST PENNSYLVANIA ABC
PENNSYLVANIA	23	04	NEPA ARTIFICIAL BREEDING COOPERATIVE
PENNSYLVANIA	23	05	WESTERN PENNSYLVANIA ABC
PENNSYLVANIA	23	07	LEHIGH VALLEY CO-OP. FARMERS
PENNSYLVANIA	23	08	SOUTHEASTERN PENNSYLVANIA ABC
PENNSYLVANIA	23	09	*ATLANTIC BREEDERS CO-OP., 1575 APOLLO DRIVE, LANCASTER 17601
PENNSYLVANIA	23	11	NORTHEASTERN BREEDERS ASSN
PENNSYLVANIA	23	13	*SIRE POWER, INC., R.D. 2, TUNKHANNOCK 18657
PUERTO RICO	94	01	*PUERTO RICO ARTIFICIAL INSEMINATION CENTER, P.O. BOX 726, DORADO 00646
SOUTH CAROLINA	56	02	CHESTER CO-OP. ABA
TENNESSEE	63	01	EAST TENNESSEE ABA
TENNESSEE	63	02	TENNESSEE ARTIFICIAL BREEDING ASSN
TENNESSEE	63	03	*WEST TENNESSEE ARTIFICIAL BREEDING ASSN, BOX 38, YORKVILLE 38389
TEXAS	74	01	TEXAS A & M DAIRY BREEDING CENTER
UTAH	87	01	CACHE VALLEY BREEDING ASSN
VIRGINIA	52	01	VIRGINIA ANIMAL BREEDERS ASSN, INC.
WASHINGTON	91	01	EVERGREEN NORTHWEST BREEDERS, INC.
WASHINGTON	91	10	W. DE JONGS SUPREME BULL SERVICE
WASHINGTON	91	13	*ALL WEST BREEDERS, BOX 197, BURLINGTON 98233
WISCONSIN	35	01	ASSOCIATED BREEDING SERVICE
WISCONSIN	35	02	BADGER BREEDERS COOPERATIVE
WISCONSIN	35	03	*EAST CENTRAL BREEDERS ASSN CO-OP., P.O. BOX 191, WAUPUN 53963
WISCONSIN	35	04	PIPER BROTHERS FARMS, INC.
WISCONSIN	35	05	*TRI-STATE BREEDERS CO-OP., WESTBY 54667
WISCONSIN	35	06	SOUTHERN WISCONSIN CO-OP. ABA
WISCONSIN	35	21	*MIDWEST BREEDERS CO-OP., P.O. BOX 469, SHAWANO 54166
WISCONSIN	35	75	*AMERICAN BREEDERS SERVICE, INC., DE FOREST 53532

*INDICATES THOSE AI ORGANIZATIONS REPORTED AS ACTIVE.

Table 7.--Grouping of States used in regional breed-year-season averages [1/]

REGION NUMBER	STATES
	GUERNSEY AND JERSEY
1	Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, New York, New Jersey, and Pennsylvania
2	Indiana, Illinois, Ohio, Michigan, Wisconsin, Minnesota, Iowa, Missouri, North Dakota, South Dakota, Nebraska, and Kansas
3	Delaware, Maryland, Virginia, West Virginia, Kentucky, Tennessee, North Carolina, South Carolina, Georgia, Florida, Alabama, Mississippi, Louisiana, Arkansas, Oklahoma, and Texas
4	Idaho, Wyoming, Montana, Colorado, New Mexico, Arizona, Utah, Nevada, Washington, Oregon, California, Alaska, and Hawaii
	HOLSTEIN
1	Maine, New Hampshire, Vermont, Maschusetts, and Rhode Island
2	Connecticut and New York
3	New Jersey and Pennsylvania
4	Indiana and Illinois
5	Ohio and Michigan
6	Wisconsin
7	Minnesota
8	Iowa and Missouri
9	North Dakota, South Dakota, Nebraska, Kansas, Oklahoma, and Texas
10	Delaware, Maryland, and Virginia
11	Kentucky, Tennessee, North Carolina, and West Virginia
12	South Carolina, Georgia, Florida, Alabama, Mississippi, Louisiana, and Arkansas
13	Idaho, Wyoming, Montana, Colorado, New Mexico, Arizona, Utah, Nevada, Washington, Oregon, Alaska, and Hawaii
14	California
	AYRSHIRE AND BROWN SWISS
1	Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, New York, New Jersey, Pennsylvania, Idaho, Wyoming, Montana, Colorado, New Mexico, Arizona, Utah, Nevada, Washington, Oregon, California, Alaska, and Hawaii
2	Indiana, Illinois, Ohio, Michigan, Wisconsin, Minnesota, Iowa, Missouri, North Dakota, South Dakota, Nebraska, and Kansas
3	Delaware, Maryland, Virginia, West Virginia, Kentucky, Tennessee, North Carolina, South Carolina, Georgia, Florida, Alabama, Mississippi, Louisiana, Arkansas, Oklahoma, and Texas

1/ Nationwide averages were used for the Milking Shorthorn, Red Dane, and mixed-breed cows because of the limited number of observations available.

TABLE 8.--EXTENSION DAIRYMEN ADVISING ON DAIRY CATTLE BREEDING PROGRAMS IN EACH STATE

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WASHINGTON------B. F. KELSO, W. W. RESEARCH AND EXTENSION CENTER, PUYALLUP 98371.

WEST VIRGINIA---D. O. KELLEY, ANIMAL INDUSTRY AND VETERINARY SCIENCE DEPT., WEST VIRGINIA UNIVERSITY, MORGANTOWN 26506.

WISCONSIN-------A. G. SENDELBACH, DAIRY SCIENCE DEPT., UNIVERSITY OF WISCONSIN, MADISON 53706.

WYOMING---------R. H. ANDERSON, DIVISION OF ANIMAL SCIENCE, UNIVERSITY OF WYOMING, LARAMIE 82071.

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS	REC/DAU HM/DAU	HERDMATE	MILK	%	FAT	% 1ST FAT	REPT INC	%	PREDICTED DIFFERENCES MILK	%	FAT	$$
87190 BALSAM LODGE RODERICK DHU, IMP*	31-01	11	1	5-14,31,	12	1.7		9,479	3.96	375	**	42		-204	+.03	-4	-9
03-23-44 76331 312225 1-73				32,41,55	11			9,798	3.89	381							
96339 WINDROW CHIEF TOPIC.....*	35-75	92	3	28-13,21,	169	2.9		10,304	3.75	386	**	89		-172	-.13	-21	-22
01-02-49 57746 161427 5-73				23,55,91	13			10,383	3.91	406							
97587 MEDFORD TIMID MICKEY.....*	48-01	50	7	10-33,42,	151	2.7		10,696	4.13	442	15	85		+80	+.11	+16	+16
01-01-49 55440 338833 5-73				48,63,73	10			10,499	4.01	421							
103728 BURR OAK CHAMPION.....		1	21	1-41	21	2.6		9,754	3.90	380	**	26		-196	+.01	-7	-12
03-14-51 92072 271930 1-73					14			10,414	3.91	407							
104237 OAK RIDGE ORACLE.....*	35-75	363	9	36-21,35,	1,338	2.7		11,027	3.91	431	12	98		-80	+.04	+1	-2
11-07-50 93402 380421 1-73				48,55,73	16			11,064	3.87	428							
105768 LESSNESSOCK RAFF, IMP.....*	31-01	27	6	8-21,31,	77	2.5		10,543	3.82	403	**	74		-204	-.03	-11	-15
12-26-49 105767 445871 5-73				32,33,35	16			10,742	3.87	416							
107841 VISTA GRANDE PEDRO.....*	41-01	14	2	4-41,42,	26	1.9		10,633	3.88	413	**	57		-4	-.03	-4	-3
04-14-52 91536 385958 1-73				45,51	12			10,544	3.97	419							
110432 WOODHULL HARMONY PRINCE.....*	41-01	40	5	8-34,41,	89	2.3		10,654	3.98	424	10	78		-219	+.07	-1	-7
05-17-53 77392 249276 5-73				42,47,51	12			10,870	3.91	425							
110520 MAR-RAL STORMY SPOT.....		8	16	2-41,46	39	3.5		9,703	3.82	371	**	45		-274	-.03	-14	-20
08-07-53 100488 439651 5-73					9			10,174	3.92	399							
111071 SALNEY RARE COIN.....*	16-01	50	4	14-13,14,	99	3.2		11,155	3.97	443	**	83		-93	+.01	-2	-4
09-27-53 95384 352774 5-73				16,21,23	18			11,240	3.97	446							
111407 LONG LANE STYLISH CAPITAN.....*	41-01	12	2	2-41,42	19	1.9		9,609	3.89	374	**	49		-417	+.02	-14	-24
08-17-53 95892 329034 1-73					7			10,338	3.86	399							
113103 WOODHULL BINGO.....		15	43	6-47,48,	85	3.0		11,160	4.09	456	10	45		+50	.00	+2	+3
10-06-54 88074 273859 5-73				73,85,91	16			10,995	4.11	452							
113298 SALNEY ELLIOTT.....*		2	27	1-21	31	3.8		10,415	3.87	403	**	32		+74	-.01	+2	+4
11-07-54 76184 424718 5-73					16			10,034	3.91	392							
113308 DAWSONDALE DOLLY 4TH-S TRUMOLD*	91-01	7	9	1-91	30	2.7		12,423	3.89	483	**	47		+89	-.03	0	+3
08-14-53 91481 512488 5-73					10			12,314	3.97	489							
114180 LIPPITT BASIL.....*		13	5	7-11,12,	28	3.3		10,527	4.14	436	19	56		-665	+.13	-12	-30
05-03-55 91883 369507 5-73				14,15,16	16			11,749	3.92	461							
114239 CARNELL NEVER FEAR.....*		14	3	6-13,14,	24	2.8		10,333	4.02	415	14	55		-416	+.06	-10	-21
04-05-52 99541 500647 5-73				21,35,41	22			11,042	3.93	434							
114345 MACKAYR SUPER WHITEY.....*		10	2	3-23,33,	16	3.0		10,781	4.02	433	10	49		-543	+.05	-16	-30
11-08-54 103949 442353 5-73				57	11			11,932	3.93	469							
115077 LIPPITT TWISTLEMAN.....*	93-01	22	19	7-35,41,	68	2.5		12,096	3.82	462	16	56		-169	-.02	-9	-13
10-29-53 91883 332870 5-73				42,91,93	30			12,499	3.86	483							
115174 CAERLAVEROCK P. BURTON.....*		2	6	2-91,93	12	1.8		14,083	3.88	546	**	29		+490	-.02	+17	+29
11-04-55 79374 491173 5-73					52			12,468	3.94	491							
115480 GLEN VALLEY BEAUTY-S LETO.....*	23-04	18	44	3-14,21,	167	3.6		10,334	3.95	408	3	62		+296	-.02	+9	+16
11-21-55 111001 348433 5-73				23	46			9,674	4.01	388							
115547 STRATHGLASS LIVELY VULCAN.....*		5	6	3-21,23,	15	2.1		9,080	3.90	354	**	36		-596	.00	-23	-37
01-02-56 96570 360518 5-73				52	30			10,640	3.91	416							
115643 CARNELL EVOLUTION.....*		5	26	1-13	35	4.1		9,830	4.00	393	12	36		-250	+.01	-9	-15
09-16-54 99541 537437 5-73					10			10,426	4.01	418							
116092 DESERT CREST-S HONEST FLAKIE..*	91-13	19	17	3-21,91,	64	3.0		13,163	3.97	523	9	57		+411	+.03	+19	+28
03-02-56 111294 405131 5-73				92	12			12,537	3.95	495							
117225 SELWOOD VICTORY.....		18	2	7-14,33,	25	2.4		10,864	3.76	409	**	60		-52	-.02	-4	-5
09-29-53 111157 304805 5-73				41,57,65	16			10,888	3.80	414							
117502 KINGSLAND TYBALT RED 2ND.....*		22	5	13-14,16,	52	2.3		12,606	3.99	503	23	69		+327	+.07	+21	+27
01-12-56 78309 287458 5-73				23,52,54	28			12,200	3.90	476							
117504 KINGSLAND WHITE ROCK.....*	52-01	40	13	14-16,23,	215	2.1		11,780	3.69	435	18	83		+235	-.17	-11	-2
05-12-56 113028 411524 5-73				51,52,54	17			11,494	3.92	450							
117539 MACKAYR COLLEGE BOY.....*		4	39	1-35	45	3.8		10,021	4.25	426	7	33		-119	+.01	-4	-7
05-05-56 103949 442351 5-73					19			10,259	4.28	439							
117706 QUIET VALLEY BEN-S ACE.....*	23-13	130	7	27-14,42,	402	1.9		11,708	3.73	437	14	93		+225	-.10	-3	+4
01-12-57 115588 429363 9-72				51,52,65	18			11,459	3.85	441							
117839 GREENRANGE HIT PARADe.....*	23-09	66	9	12-13,21,	207	2.2		10,238	3.98	407	23	86		-946	+.01	-36	-58
10-19-56 78249 466917 5-73				23,41,50	18			11,324	3.98	451							
117912 MACKAYR MAJESTIC.....*	33-03	108	8	29-14,21,	231	1.9		11,597	3.72	431	20	88		+156	-.11	-7	-1
10-02-56 103949 282829 5-73				23,31,58	19			11,407	3.85	439							
117936 SELWOOD BETTY-S COMMANDER.....*	21-10	614	29	37-12,13,	5,372	2.5		13,084	3.91	511	11	99		+1,245	+.01	+50	+79
01-14-53 111157 560219 5-73				14,16,21	16			11,854	3.90	462							
118060 ELM GROVE EDEN.....*		3	52	2-13,65	56	3.5		10,050	4.01	403	**	32		-51	+.04	+3	+1
01-23-57 107227 482648 5-73					17			10,067	3.86	389							
118062 GLENGARRY MILKMAID-S LUCK.....*		23	10	15-14,31,	72	2.7		10,633	3.79	403	17	68		-272	-.04	-15	-21
04-26-56 111540 562648 5-73				32,48,52	17			10,981	3.86	424							
118304 CARNELL TAVERN.....*		10	54	5-13,14,	72	3.9		11,187	4.06	454	4	38		-278	+.02	-8	-15
07-03-55 118303 564707 5-73				21,51,74	28			11,975	4.02	481							
118653 STJNEHOLM GOLD CHARLIE.....*		3	10	1-13	27	1.9		10,608	3.93	422	24	42		-240	.00	-9	-15
12-17-56 95334 342142 5-73					11			11,141	3.99	445							
118823 GLENDOWAN ROYAL MILITANT.....*		2	8	1-91	14	2.1		10,352	3.97	411	**	32		-232	.00	-9	-14
11-29-54 118822 570522 5-73					6			11,041	3.99	441							
118919 MACKAYR SUPER STEPHEN.....	63-01	6	11	3-33,50,	34	2.5		11,283	4.09	462	15	47		-45	+.05	+4	+2
07-06-57 103949 442351 5-73				63	13			11,363	4.00	455							
118996 WINDROW SILVER BAR.....*		3	8	2-41,42	11	2.4		10,355	3.91	405	**	26		-57	+.02	0	-2
09-27-57 113384 454670 5-73					16			10,469	3.82	400							
119229 BONA VISTA PRINCE BRUNO.....*		4	35	3-31,58,	44	2.4		8,102	3.62	293	10	33		-90	.00	-4	-6
01-20-58 91883 273843 5-73				64	27			8,032	3.65	293							
119453 VISTA GRANDE ROYAL GLORY.....*		1	21	1-14	21	3.6		11,519	4.04	465	8	29		+70	+.03	+6	+7
03-04-58 111209 386937 5-73					18			11,245	3.94	443							
119539 GREEN VALLEY LANCELOT.....*		10	13	3-31,32,	30	2.2		9,798	3.93	385	**	42		-347	+.01	-12	-20
05-29-57 106713 476319 5-73				42	18			10,536	3.91	412							
119554 THE COUNT OF TOLL GATE.....*	35-75	232	8	37-16,21,	696	1.9		11,832	3.78	447	13	96		+346	-.05	+7	+16
08-06-57 115588 269615 1-73				23,48,73	18			11,463	3.83	439							

REGISTRATION NUMBER / NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS	REC/DAU HERDMATE	MILK	%	FAT	% 1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
119606 GLENMOOR PLAYBOY.....		3	34	1-41	63	1.9	9,009	3.70	333	19	40	+62	-.06	-5	-2
C9-10-57 110520 504442 5-73					8		8,559	3.95	338						
119673 SELWOOD GRETA-S BOY, IMP.....*	41-01	72	4	12-41,42,	168	2.1	10,892	3.80	414	17	38	+51	-.03	-1	+1
C7-30-57 119936 579546 5-73				46,48,55	15		10,757	3.84	413						
119706 SCOTCH HAVEN TYPE MAKER.....*		5	7	3-31,41,	16	1.1	9,128	3.65	351	**	31	-377	.00	-15	-24
C9-01-57 112109 460874 5-73				42	10		10,217	3.89	397						
119999 GLENGARRY MILKMAIDS CAPTAIN, I*		2	36	2-31,32	36	2.9	11,351	3.75	426	3	30	-191	-.03	-11	-15
C9-27-57 119647 562648 5-73					27		12,047	3.89	469						
120074 SCAPELANO JUPITER.....*		6	3	3-13,21,	12	3.0	11,297	3.89	439	**	38	+54	.00	+2	+3
05-26-56 102228 425288 5-73				42	21		11,115	3.89	432						
120135 OAK RIDGE LIGHTNING.....*	33-03	188	10	31-21,31,	446	1.8	12,149	3.96	481	13	92	+55	+.09	+12	+12
03-12-58 115077 377485 9-72				35,42,93	22		12,152	3.87	470						
120171 GALNEY REGINOLO COIN.....*		4	36	2-31,63	50	3.3	12,742	3.80	484	0	37	+157	-.05	0	+5
C8-11-58 111071 458248 5-73					15		12,404	3.94	489						
120172 GALNEY ROYAL COIN.....*		4	13	2-13,21	15	2.8	12,007	3.81	458	8	32	-292	-.01	-13	-20
C8-07-58 111071 360289 5-73					18		13,085	3.89	509						
120383 SHAGBARK CHAMPION GENERAL.....*	11-01	43	3	9-11,12,	80	2.3	10,432	3.98	415	28	80	-576	+.02	-20	-34
C8-26-58 106430 450931 5-73				13,14,23	17		11,114	3.97	441						
120774 LIPPITT ROGER.....*		27	27	11-23,53,	101	2.4	11,014	3.86	425	10	58	-45	+.01	-1	-2
02-06-59 115075 332870 5-73				52,63,85	18		11,046	3.87	427						
120811 ARDROSSAN NORTH WIND.....*		4	46	1-23	67	3.0	10,064	4.01	404	11	38	-229	+.02	-7	-13
C8-07-58 112733 548922 5-73					15		10,584	3.99	422						
120830 WOODHULL AZTEC.....		1	21	1-48	21	3.2	9,533	3.68	351	14	27	-206	+.01	-7	-12
02-15-59 96019 359836 5-73					12		10,155	3.69	375						
120990 CARNELL HIGHLAND MONARCH.....*		6	3	2-13,21	13	1.7	9,440	4.18	395	**	38	-449	+.12	-4	-17
05-13-58 120988 593082 5-73					18		10,521	3.85	405						
121598 TOLL GATE AYR PREFERRED BEN...		3	16	2-23,54	24	3.7	9,488	3.88	368	**	36	-91	+.01	-2	-4
09-29-58 79374 491411 5-73					20		9,550	3.85	368						
121738 AYR-LINE FASHION GARY.....*	48-01	21	5	3-43,48,	50	2.3	10,607	3.80	403	17	68	-154	-.03	-9	-12
C5-01-59 106285 449853 5-73				85	10		10,758	3.86	415						
121745 MEMORY LANE GAY LAD, IMP.....*		15	42	4-11,13,	90	2.5	12,207	3.81	465	24	46	+173	-.03	+3	+6
11-15-58 106080 599676 5-73				14,63	31		11,867	3.87	459						
122124 PARTRIDGE HILL ORBIT.....*		1	15	1-58	15	1.9	9,631	3.55	342	**	23	-94	+.01	-3	-5
C7-18-59 113485 383998 5-73					32		9,880	3.56	352						
122236 VISTA GRANDE GLORIA-S COMMANDE*		1	19	1-14	19	2.7	9,667	4.07	402	**	27	-426	+.04	-12	-23
C7-14-59 107868 386937 5-73					17		11,455	3.94	451						
122242 MEREDITH HARRY.....*	33-03	56	4	18-13,14,	96	1.5	13,057	3.92	512	20	79	+429	+.04	+21	+30
C7-13-59 79374 419941 5-73				21,23,42	22		12,622	3.87	489						
122268 WOODHULL PIXIE DAN.....*		4	27	2-42,48	42	2.4	10,226	4.28	438	25	36	-457	+.06	-11	-23
06-07-59 118562 416826 5-73					24		11,487	4.13	474						
122314 .....*		3	6	2-91,93	11	1.7	13,316	3.96	527	**	26	+74	+.01	+4	+6
5-73					62		13,199	3.93	519						
122392 RIDGELAWN LUCKY BAR.....*		2	28	2-23,57	30	3.2	11,347	4.05	459	**	30	-37	+.01	0	-1
C1-19-59 79374 431949 5-73					24		11,467	4.05	464						
122395 ANCHOR MERE SENSATIONAL.....*		5	9	3-16,21,	17	3.1	11,604	3.83	445	**	36	-22	-.03	-4	-4
12-15-58 94065 388229 5-73				52	14		11,682	3.93	459						
122636 VALHALA WAR LEADER.....*	21-10	57	2	4-12,13,	85	2.9	11,902	3.95	470	13	84	+74	+.04	+7	+6
C2-25-60 62636 539192 5-73				21,65	21		11,845	3.91	463						
122677 PREFERRED WARRIOR OF F. H.....*		2	17	2-21,63	21	3.1	9,408	3.94	371	**	31	-367	+.01	-13	-22
12-10-59 79374 484101 5-73					19		10,496	3.93	412						
122727 MONTANA VALIANT.....*		1	25	1-81	25	2.6	13,215	3.83	506	0	27	+118	+.03	+8	+10
10-22-59 108196 537655 5-73					25		12,920	3.72	481						
122959 LITTLE ACORN-S WHEEL-S KING...*		2	10	1-55	19	3.6	10,792	3.95	426	9	38	-209	+.04	-4	-10
C2-01-60 94065 573281 5-73					10		11,317	3.87	438						
123010 .....*		3	4	2-12,13	10	1.0	9,974	3.62	361	40	25	-233	-.04	-14	-19
5-73					14		10,828	3.85	417						
123012 COLONEL BOB-S JULIUS.....*		3	7	2-58,64	15	2.0	9,377	3.71	348	0	32	-117	.00	-4	-7
10-13-59 96189 573659 5-73					24		9,549	3.71	354						
123017 GREENRANGE CHIEF.....*		8	3	6-13,23,	17	2.7	10,615	3.92	416	8	48	-367	+.03	-11	-20
12-16-59 106237 512142 5-73				50,58,63	34		11,373	3.87	440						
123097 TOLL GATE AYR PREFERRED PRIDE.		1	15	1-54	15	4.3	9,848	3.86	380	0	28	+42	.00	+2	+3
11-14-59 79374 475612 5-73					21		9,492	3.86	366						
123266 BLACKWOOD BELLMAN.....*	23-11	17	4	3-21,23,	40	2.2	10,463	3.99	417	10	63	-250	+.02	-7	-13
11-16-59 95443 567642 5-73				52	36		10,785	3.97	428						
123286 ALLAN ACRES ADAM.....*	91-11	19	14	8-35,41,	80	2.1	11,327	4.10	464	14	52	-187	+.08	+2	-4
C1-02-59 118398 504069 1-73				42,63,91	14		11,640	3.97	462						
123366 LIPPITT PRUDENTIAL.....*		8	2	7-35,41,	12	2.5	9,985	3.87	386	0	41	-52	+.03	+1	-1
C8-16-60 118671 465927 5-73				42,47,65	20		9,959	3.79	377						
123384 SELWOOD LADY-S LUCK.....*	21-01	77	2	6-12,13,	119	3.3	11,269	3.76	424	20	88	-388	-.13	-29	-36
10-14-59 111540 620260 5-73				21,23,32	18		11,733	3.92	460						
123480 SELWOOD SPOT-S ECLIPSE 3RD....*		6	18	2-41,42	28	2.4	9,721	3.87	376	19	35	-394	.00	-15	-24
C8-31-59 123402 621337 5-73					9		10,790	3.90	421						
123525 HAMMONDS MASTERPIECE.....*		14	2	9-13,21,	21	1.9	11,452	3.95	452	9	53	+312	+.03	+16	+23
11-02-57 121269 595613 5-73				33,35,47	19		10,791	3.89	420						
123533 WINDROW PREFERRED PAR.....*		4	8	4-31,33,	22	2.0	9,901	3.82	378	**	40	-128	+.03	-2	-6
08-05-60 79374 562588 5-73				35,72	17		10,076	3.76	379						
123535 WINDROW SUPREME.....*		14	14	6-12,13,	54	2.5	13,332	3.77	503	22	55	+441	-.04	+12	+23
C9-26-60 112575 531107 5-73				16,21,23	33		12,648	3.83	485						
123656 SELWOOD JEAN-S LUCK,IMP.....*	41-01	29	4	6-35,41,	56	2.1	10,236	3.71	380	**	71	-303	-.06	-19	-25
10-16-59 111540 624034 5-73				42,47,73	15		10,570	3.82	404						
123781 WINDROW SHAMROCK.....*		7	11	3-31,33,	34	2.0	11,109	4.03	448	39	45	-322	+.08	-4	-13
C1-31-61 116706 513281 5-73				65	15		11,854	3.89	461						
123889 BURJEAN-S EMPEROR CHARLAMAGNE.*	41-01	14	4	4-35,41,	30	1.9	10,441	3.80	397	13	57	-187	-.02	-10	-14
11-11-60 106285 566725 5-73				42,46	12		10,688	3.85	412						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS HM/DAU	REC/DAU HERDMATE	MILK	%	FAT	%	1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
123966 MIDDLE BROOK MR. FANCY.....*		4	8	2-31,61	17	2.2	11,755	3.90	458	15	35	-40	.00	-2	-3
03-26-60 103949 441025 5-73					17		11,912	3.93	468						
124128 MACKAYR SUPER IKE.....*		3	52	1-42	56	3.0	11,570	3.86	447	21	31	+160	.00	+6	+10
12-26-60 118919 571467 5-73					13		11,004	3.88	427						
124129 MACKAYR SUPER MAESTRO.....*	23-13	47	9	16-23,33, 42,51,54	167	1.7	11,099	4.02	446	14	82	-200	+.10	+4	-3
01-31-61 118919 571466 5-73					20		11,324	3.89	440						
124131 .....*		2	10	2-33,35	12	2.0	7,966	3.97	316	**	24	-443	.00	-17	-27
5-73					10		9,611	4.02	386						
124415 KOLAR-AYR WHEEL-S PROSPECT....*		6	19	2-72,73	54	2.3	10,983	3.92	430	8	49	-268	+.06	-4	-11
09-29-60 94365 431696 5-73					13		11,534	3.81	439						
124427 TOLL GATE TOP GRADE.....*		5	8	3-14,16, 23	22	2.2	11,691	3.85	450	33	40	+266	-.05	+5	+12
02-20-61 119554 586721 5-73					28		10,964	3.97	435						
124535 PONFEIGH GOVERNOR.....*		1	36	1-23	36	2.6	9,513	4.36	415	**	29	+150	+.06	+13	+15
06-19-61 119389 590823 5-73					10		8,712	4.17	363						
124606 AYRKOTA COMMANDER-S TONY.....*		4	3	2-41,46	11	2.5	10,297	3.96	408	14	34	-122	+.03	-1	-5
11-01-59 117936 570119 5-73					9		10,559	3.88	410						
124750 BEACON VICTORS BO-LO.....*		1	11	1-58	11	1.6	8,149	3.61	294	44	21	-216	+.01	-7	-12
06-29-60 113606 516944 5-73					35		8,952	3.56	319						
124818 ANCHOR MERE SILK PURSE.....*		2	34	1-23	49	3.2	10,983	4.06	446	2	38	+52	+.03	+5	+6
08-02-61 101701 388229 5-73					18		10,767	4.00	431						
124881 ROYAL PINECREST CAPT-S OSCAR..*		4	10	2-91,93	17	1.4	11,772	3.93	463	**	29	+73	+.01	+4	+5
08-10-61 122238 586211 5-73					34		11,513	3.91	450						
124927 RIVER RUN LEAGUE LEADER.....*	41-01	23	3	5-35,41, 42,46,47	41	2.0	12,512	3.80	475	18	66	+1,055	-.05	+35	+61
08-09-61 117936 591615 5-73					16		10,854	3.86	419						
124939 TOLL GATE GRAND FORTUNE.....*	23-09	7	20	4-23,51, 52,64	43	2.3	13,265	3.83	508	24	42	+171	-.06	0	+5
09-24-61 112575 613067 5-73					18		13,000	3.97	516						
125032 OAK RIDGE ORMSBY.....*	33-03	12	13	3-42,54, 64	55	2.0	11,834	3.69	437	13	55	-90	-.06	-10	-11
07-11-61 122324 418087 5-73					10		12,050	3.80	458						
125033 OAK RIDGE FLASHY NEPTUNE.....*		12	2	3-33,42, 47	19	1.9	11,052	3.90	431	**	50	-106	+.04	+1	-2
10-07-61 120135 476243 5-73					13		11,236	3.81	428						
125067 OESERT CRESTS BOB VEL.....*		1	11	1-86	11	2.4	13,102	3.76	493	**	23	+113	-.01	+3	+6
11-01-60 96189 360119 5-73					21		12,727	3.79	482						
125092 MEREDITH JAPSON.....*		6	16	3-41,42, 47	36	2.1	9,488	3.89	369	15	41	-593	+.01	-22	-36
11-23-61 103949 580346 5-73					14		10,856	3.89	422						
125140 GLENGARRY HIGH LIGHT.....*		27	4	14-14,31, 42,48,91	59	2.1	11,223	3.83	430	24	72	+36	-.05	-4	-2
03-14-59 116364 524632 5-73					17		11,134	3.92	436						
125163 GALNEY GREGG.....*		1	16	1-21	16	2.0	9,867	4.04	399	0	24	-254	+.06	-3	-10
12-01-61 119110 476226 5-73					20		10,883	3.78	411						
125168 OAK RIDGE FLASHY KELLOGG.....*	91-13	5	33	4-23,31, 47,93	41	2.8	14,233	3.93	559	5	33	-20	-.01	-2	-2
03-26-61 120135 574250 5-73					51		14,605	3.98	582						
125224 OAK RIDGE FLASHY CLASSIC.....*	33-03	115	11	26-13,31, 42,48,93	300	1.6	12,623	3.79	479	17	88	+180	-.06	0	+5
07-26-61 120135 559391 5-73					22		12,516	3.86	483						
125225 OAK RIDGE SWANKY BOND.....*		9	12	4-33,42, 47,65	40	2.7	12,120	3.81	462	20	50	+166	+.02	+9	+12
10-17-61 104237 532560 5-73					11		11,819	3.75	443						
125293 HAR-LU-AYR MYSTERY.....*		6	18	3-33,42, 65	30	2.3	9,040	4.00	362	28	36	-521	+.05	-15	-28
11-21-61 112575 571613 5-73					8		10,394	3.87	402						
125329 OAKSIDE KING OF HEARTS.....*		3	26	1-57	33	2.9	11,262	3.97	447	9	33	-82	+.01	-2	-4
10-26-61 120564 608310 5-73					26		11,510	3.96	456						
125387 GALNEY JEFFERY.....*		12	4	5-14,16, 21,23,58	33	2.3	10,885	3.91	426	14	60	-296	+.03	-8	-16
11-19-61 119110 512447 5-73					15		11,359	3.88	441						
125434 AYR-LINE FASHION MICKEY.....*		9	7	4-33,47, 48,65	34	2.4	10,422	4.09	426	13	55	-330	+.04	-8	-17
09-26-61 106285 599618 5-73					21		10,964	4.02	441						
125436 .....*		1	11	1-23	11	2.9	9,018	3.94	355	0	24	-63	.00	-2	-4
5-73					104		9,033	3.97	359						
125513 .....*		5	4	3-31,32, 33	11	1.4	11,088	3.79	420	14	30	+53	+.01	+3	+4
5-73					11		10,840	3.75	406						
125549 .....*		2	9	1-23	11	2.1	11,545	4.05	467	27	24	+95	+.01	+5	+7
5-73					24		11,105	4.02	446						
125574 MACKAYR SUPER MAESTRO 2ND.....*		2	17	2-14,58	19	3.4	10,968	4.12	452	17	29	-208	-.01	-9	-14
01-12-62 103949 571466 5-73					17		11,719	4.20	492						
125584 LOWVILLE SOLWAY COMMANDER,IMP.		4	12	1-41	28	2.0	10,688	3.89	416	22	40	-427	+.01	-15	-25
01-21-62 125583 644188 5-73					9		11,792	3.88	458						
125682 AYRGARDE IDA BOY.....*		1	49	1-42	49	2.3	7,824	3.54	277	21	29	-596	-.02	-25	-39
07-29-61 120594 530058 5-73					5		9,714	3.68	357						
125712 AYR-LINE FASHION FEARLESS.....*	21-10	96	3	13-11,12, 13,16,21	208	1.7	12,189	3.97	484	15	90	+185	+.08	+16	+19
05-20-62 106285 484554 5-73					23		12,034	3.90	469						
125750 COOP-AYR KING SON.....		2	31	1-48	33	2.7	12,167	3.95	481	8	30	+87	.00	+3	+5
06-24-61 121727 581843 5-73					8		11,915	3.98	474						
125752 .....*		4	5	1-91	12	1.3	11,791	3.85	454	**	30	+119	-.02	+2	+5
5-73					4		11,372	3.93	447						
125796 .....*		4	5	1-82	10	2.4	12,273	4.20	515	22	29	-45	+.07	+6	+4
5-73					7		12,532	3.98	499						
125843 HANO-S ORACLE TIM.....*		9	33	4-33,47, 48,73	51	2.6	10,967	3.94	432	0	38	-186	+.04	-3	-8
05-15-62 104237 546470 5-73					25		11,446	3.87	443						
125910 V.I.S. CHRIS ANNIE-S COMMANDER		1	18	1-13	18	2.8	11,151	3.90	435	25	26	-193	+.02	-5	-10
03-28-62 117936 559891 5-73					19		11,937	3.85	459						
125928 BEL TERRA MEDICO.....*	61-02	66	4	11-31,33, 42,48,61	160	1.9	11,927	3.79	452	22	87	+630	-.08	+15	+31
07-12-62 101527 530560 5-73					13		11,166	3.89	434						
125953 MILAWAY ROCKY.....*		5	15	1-13	22	2.1	12,647	4.06	514	5	32	+101	.00	+4	+6
11-06-62 117936 599769 5-73					21		12,420	4.08	507						
125956 STRATH-HOLM JEWELERS IVAN.....*		1	23	1-54	23	2.6	11,508	3.85	443	10	27	+190	-.02	+5	+10
08-14-62 123944 617050 5-73					6		10,715	3.93	421						
125965 MEREDITH STELLER.....*		6	20	3-32,42, 47	39	2.7	11,901	3.86	459	11	41	+2	+.02	+2	+2
09-12-62 122231 540655 5-73					13		11,936	3.81	455						

REGISTRATION NUMBER NAME DF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS HM/DAU	REG/DAU HERDMATE	MILK	%	FAT	% FAT INC	1ST %	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
126011 PORTERDALE ROYAL B.....*	23-11	32	5	8-11,12,	60	2.4	12,433	3.80	472	14	72		+901	-.08	+25	+48
C8-15-62 117936 583504 5-73				14,21,23	37		11,145	3.92	437							
126028 OAK RIDGE FLASHY KLONDIKE.....*	23-13	122	12	24-23,42,	487	1.5	11,384	4.00	455	19	91		-5	+.05	+5	+5
C7-19-62 120135 574250 5-73				50,51,52	19		11,375	3.94	448							
126029 OAK RIDGE HELEN-S PRESTIGE....*		3	23	3-23,47,	28	2.3	13,117	4.08	535	12	31		-267	+.05	-5	-12
07-20-62 122324 559391 5-73				93	51		14,264	3.98	567							
126030 OAK RIDGE MODERN MAN.....*		21	3	8-33,35,	40	1.8	10,231	3.88	397	22	65		-418	+.04	-12	-23
C9-02-62 120135 590931 5-73				41,42,43	13		10,801	3.82	413							
126068 CRYSTAL SPRING C PREF JONATHAN*		4	32	4-12,13,	41	2.6	12,067	4.01	484	9	34		+7	.00	0	0
11-27-62 122194 454072 5-73				14,41	27		12,103	4.05	490							
126134 BRISKLEA COMMANDER.....*		7	16	3-13,21,	28	2.1	9,792	4.05	397	19	36		-268	.00	-10	-16
C8-24-62 117936 577444 5-73				57	21		10,428	4.09	426							
126159 BRISKLEA COMMODORE.....*	21-10	82	3	15-13,21,	154	2.0	12,046	3.82	460	19	88		+307	-.07	+4	+13
10-01-62 117936 612884 1-73				23,31,35	24		11,717	3.90	457							
126168 HEDRICK-AYR ALINES DR8IT.....*		1	15	1-51	15	2.0	10,387	3.55	369	**	24		+5	-.04	-4	-3
09-29-62 104237 414872 5-73					13		10,239	3.73	382							
126182 DEBONAYR GET LUCKY.....*		8	4	4-33,35,	17	1.5	10,941	3.49	382	21	41		-109	-.09	-15	-16
01-02-63 123384 618954 1-73				42,47	16		11,175	3.74	418							
126201 .....*		8	2	5-23,33,	10	3.1	9,258	3.82	354	**	39		-273	+.02	-8	-15
5-73				35,41,65	22		9,787	3.77	369							
126290 VALLE VERDE TALISMAN.....*		4	4	2-91,93	10	1.5	12,540	3.86	484	**	30		-29	-.02	-3	-3
07-02-61 95384 495743 1-73					24		12,766	3.95	504							
126322 WINDROW CHAMPION BINGO.....*		2	19	2-31,32	34	2.8	11,795	3.88	458	3	39		+243	+.01	+11	+16
10-30-62 116706 590824 5-73					22		11,145	3.84	428							
126351 MEREDITH MAGNIFICENT.....*		1	34	1-41	34	2.4	9,247	3.75	347	**	28		-88	-.01	-5	-7
C6-28-62 117936 568671 5-73					10		9,350	3.87	362							
126375 ATWOOD ORCHARDS CHEER UP.....*		3	9	1-21	16	2.4	10,572	3.77	399	**	33		-154	-.01	-7	-10
07-02-61 112575 454615 5-73					16		10,987	3.84	422							
126379 BURJEANS EMPEROR MAXIMILLION..*		6	2	3-35,41,	12	1.3	9,676	4.06	393	**	36		-316	+.08	-3	-12
11-25-62 106285 566725 5-73				46	20		10,461	3.83	401							
126447 LESSNESSOCK RADIX.....*		4	23	4-21,23,	42	2.3	11,475	4.15	476	7	40		-43	+.08	+7	+4
05-28-61 117679 525179 5-73				52,54	21		11,592	3.96	459							
126472 TOLL GATE FORTUNES DIVIDEND...*		5	3	5-16,21,	10	1.9	11,133	3.57	397	25	33		-35	-.07	-9	-8
C7-30-62 119554 440781 9-72				41,42,72	22		11,212	3.78	424							
126473 TOLL GATE BELLKEEPER.....*		1	11	1-21	11	2.4	10,225	3.84	393	20	22		-396	+.03	-12	-22
C8-19-62 119554 490542 5-73					7		12,049	3.75	452							
126576 WINDROW ROBIN.....*		5	5	2-33,35	13	3.0	9,961	4.10	408	18	35		-172	+.09	+4	-2
C3-05-63 113384 601522 5-73					16		10,335	3.79	392							
126587 IROQUOIS PREDICTION.....*		11	2	4-21,23,	17	2.2	10,533	4.16	438	8	50		-487	+.12	-6	-20
C4-20-63 101527 576693 5-73				51,58	15		11,506	3.93	452							
126602 STEINVILLE QUESTORS IVAN.....*		2	40	1-41	42	1.2	7,775	3.69	287	**	25		-406	-.01	-17	-26
C7-19-62 122239 615195 5-73					37		9,159	3.82	350							
126640 BEL TERRA BRIGHT COMMANDER....*		7	22	1-42	39	2.3	15,772	3.77	595	14	38		+812	.00	+31	+50
C7-01-63 117936 565009 5-73					8		13,894	3.75	521							
126641 JAY-AYR MARIAS LUCK.....*		2	8	1-31	10	2.4	10,116	3.97	402	14	25		-317	+.04	-8	-16
01-01-63 118062 610320 1-73					10		11,382	3.86	439							
126704 TALL TIMBERS RICHARDS LAUREL..*		1	11	1-32	11	1.1	8,866	3.55	315	**	19		-322	.00	-12	-20
03-07-63 116793 617292 9-72					6		10,499	3.60	378							
126732 GOLDEN SUNSET LUCKY BRAND.....*		2	22	1-14	24	2.3	10,634	3.80	404	10	28		+88	-.03	0	+3
11-17-62 123785 651800 5-73					11		10,185	3.93	400							
126771 MACKAYR ROYAL 80B.....*		1	18	1-33	18	3.2	9,138	3.63	332	12	27		+28	-.01	0	+1
C3-14-63 116767 614067 5-73					11		8,758	3.68	322							
126788 BONFEIGH PREFERRED DUKE.....		1	11	1-23	11	1.1	9,494	4.04	384	**	19		-49	-.01	-3	-4
C5-02-63 118681 489247 5-73					12		9,565	4.21	403							
126811 AYLEWARDS ROYAL PRIDE.....*		57	3	20-13,21,	109	2.5	11,192	3.90	437	14	86		-601	+.01	-22	-36
02-27-62 126810 665406 5-73				23,33,42	24		11,937	3.90	466							
126825 CRAIGFOOT CONCENTRATION.....*		1	11	1-21	11	1.6	9,129	3.82	349	**	20		-213	.00	-8	-13
C1-21-63 123531 562525 1-73					17		10,035	3.89	390							
126890 AYRKOTA PRIDES LUCKY.....*		1	21	1-41	21	2.5	10,195	3.59	366	**	27		-116	-.05	-10	-12
11-18-62 123656 553407 5-73					10		10,542	3.62	403							
126926 BURNSIDE BEAU IDEAL 2ND.....*		17	4	11-14,16,	28	1.9	10,899	3.88	423	43	55		-519	+.03	-17	-30
10-30-56 114239 626947 5-73				41,42,91	25		11,874	3.84	456							
126927 BURNSIDE PATHFINDER.....*		15	2	8-13,14,	19	2.3	10,386	3.85	400	18	53		-677	-.03	-29	-44
12-01-53 113234 522909 5-73				21,23,33	23		11,689	3.93	459							
126936 ALTA VISTA ADMIRAL JIM.....		1	13	1-42	13	2.7	9,273	3.88	360	15	25		-221	+.01	-7	-12
11-09-62 122626 619591 1-73					6		10,018	3.83	384							
126946 OAK RIDGE COMETS PRIDE.....*		14	5	4-33,41,	28	1.5	10,213	3.88	396	17	51		-366	+.04	-10	-19
C7-20-53 122324 559391 5-73				42,47	13		10,867	3.81	414							
126971 SHAT-ACRES COMMANDER.....*		1	26	1-13	26	2.2	12,342	3.84	474	13	27		+77	+.01	+4	+6
10-03-63 117936 580997 5-73					17		12,116	3.81	462							
127014 MELODY LANE HI-BIO.....*		9	12	3-33,42,	45	1.4	11,827	3.77	446	14	49		+263	-.02	+8	+15
C9-16-63 117936 537111 5-73				47	25		11,266	3.80	428							
127124 VALLE VERDE SANDY B.....*		3	24	2-91,93	30	1.1	14,819	3.60	563	**	26		+308	-.03	+8	+16
08-17-62 122314 483132 5-73					57		13,857	3.90	540							
127140 WINDROW GRAND TEDDY.....*		6	5	3-31,61,	17	1.9	9,953	3.90	388	27	39		-296	+.04	-7	-15
C9-07-63 116706 622362 5-73				72	16		10,624	3.81	405							
127141 WINDROW STYLISH BINGO.....*		1	20	1-74	20	1.0	10,888	3.55	386	39	23		-387	+.03	-12	-22
10-03-63 116706 515560 5-73					15		12,658	3.47	440							
127143 WINDROW GOLDEN BINGO 2ND.....*	91-11	9	14	4-23,35,	32	2.1	11,062	4.21	466	13	41		+68	+.06	+10	+10
10-26-63 116706 572484 5-73				42,73	18		10,825	4.08	442							
127163 GLEN FARM PAR.....*		1	10	1-12	10	2.4	11,009	3.72	410	0	23		-176	.00	-7	-11
C7-17-63 123531 448000 5-73					21		11,821	3.78	447							
127189 SENELAKECA BEAVER.....*	21-10	72	6	12-13,14,	158	1.6	12,162	3.94	479	23	85		+19	+.05	+7	+6
11-21-63 101527 639470 5-73				16,21,54	24		12,237	3.88	474							

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS HM/DAU	REC/DAU HEROMATE	MILK	%	FAT	% IST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
127192 GREENRANGE BIG RED.....*		9	3	2-13,21	14	1.9	12,745	3.77	480	33	40	+65	-.02	0	+2
10-25-63 117936 586111 5-73					16		12,698	3.81	484						
127220 MIDDLE BROOK DINAS VICTORY....*		1	10	1-31	10	3.3	9,712	3.85	374	0	24	-112	+.02	-2	-5
08-19-52 119160 589234 9-72					13		10,025	3.77	378						
127223 MIDDLE BROOK MYRNAS VICTORY...*		3	17	1-32	21	2.3	10,192	4.01	409	6	29	-98	.00	-4	-6
04-27-63 119160 561671 5-73					12		10,420	4.05	422						
127225 SHOKSAN ACE HIGH.....*		2	7	1-91	10	3.8	13,264	4.07	540	0	29	+354	+.03	+17	+25
03-17-63 116092 472188 5-73					10		12,085	4.01	485						
127226 BRISKLEA VERNON.....*		4	16	2-21,23	23	2.2	12,272	4.00	491	6	32	-127	+.02	-3	-6
09-05-63 118304 612899 5-73					30		12,802	3.98	510						
127239 JAY-AYR FANCYS LUCK CHARM.....		4	18	3-47,48,	35	2.0	11,578	4.00	463	13	38	-44	+.03	+2	0
08-02-63 118062 610319 5-73				85	17		11,713	3.92	459						
127250 GREENBRIAR BETTYS CORPORAL....*		5	7	2-21,23	18	2.0	12,849	3.88	499	14	38	+7	-.02	-2	-1
08-20-63 117936 570217 5-73					13		12,975	3.95	513						
127268 RIDGE RANCH WHEELS BURTON.....*		4	9	2-42,65	16	2.3	10,284	3.90	401	15	32	-118	+.04	0	-4
04-30-61 94065 599323 5-73					13		10,560	3.77	398						
127273 HI-LANES ROYAL COMMANDER.....*		8	5	1-42	19	2.6	10,261	3.89	399	6	45	+210	-.02	+6	+11
08-24-63 116767 595107 5-73					5		9,636	3.95	379						
127288 RUSSET VALLEY S. REGINALD.....*		1	15	1-15	15	2.9	10,143	3.90	396	0	26	-516	+.03	-17	-36
11-25-63 122795 636941 5-73					20		12,165	3.83	466						
127325 SCOTCH HAVEN LLOYD.....*		2	10	2-31,72	12	1.9	11,522	3.85	444	17	25	-25	.00	-1	-2
02-16-64 116767 563159 5-73					16		11,639	3.89	453						
127346 OAK RIDGE FLASHY WHITE STAR...*		4	27	2-82,93	33	1.1	13,736	3.86	530	**	26	0	.00	0	0
09-26-63 120135 478243 5-73					60		13,984	3.90	545						
127365 MEREDITH FORESTER.....*		10	7	8-11,14,	24	2.3	14,085	3.93	553	10	46	-67	+.09	+8	+5
01-11-64 116767 622253 5-73				16,21,52	27		14,533	3.75	545						
127374 WINDROW BINGOS JOHN.....*		1	17	1-74	17	1.8	12,263	3.52	432	31	24	+97	-.01	+3	+5
01-02-64 116706 590824 5-73					16		11,896	3.51	418						
127399 HOME SITE JENS GRAND.....*		1	11	1-21	11	2.8	10,798	3.82	412	0	24	-122	+.03	-1	-5
01-07-62 112575 567967 1-73					13		11,287	3.69	417						
127411 SOONER ROYAL PRIMATE.....*		2	26	1-48	28	2.2	11,956	3.70	442	35	28	-151	-.01	-7	-10
12-17-63 116767 583382 5-73					8		12,614	3.74	472						
127427 FENTONS BEAUTYS STORM.....*		3	9	2-31,61	12	2.2	10,339	3.89	402	17	27	-116	+.02	-2	-5
08-02-62 112575 313836 5-73					22		10,692	3.82	408						
127468 CYPRESS DIAMOND JIM.....*		5	18	2-91,93	31	1.1	13,477	3.85	519	13	31	-32	-.01	-2	-3
01-20-64 116767 518791 5-73					51		13,809	3.88	536						
127479 ROCKY KNOLLS NAPPY.....*		3	14	2-14,21	21	2.1	10,579	3.82	404	10	31	-208	-.01	-9	-14
11-17-63 110671 458332 5-73					19		11,214	3.87	434						
127486 APRIL ACRES ARLENES OAKIE.....*		9	2	4-82,91,	14	1.9	12,970	4.01	520	20	42	+229	-.02	+7	+13
01-11-64 104237 619908 5-73				92,93	12		12,528	4.06	509						
127563 WINDROW BINGOS LANCER.....*		1	42	1-52	42	2.1	10,266	4.20	431	0	28	-64	+.07	+6	+3
03-26-64 116706 513016 5-73					19		10,387	3.90	405						
127564 CLOVER CREST ROYAL.....*		1	23	1-21	23	2.0	10,947	3.81	395	6	26	+151	-.06	-1	+4
03-15-64 116767 589026 5-73					24		10,238	3.87	396						
127582 PORTEROALE BUBBLES BURTON.....*		1	11	1-21	11	1.8	13,261	3.74	496	0	22	+217	-.02	+6	+11
05-06-64 117935 608873 5-73					61		12,339	3.83	473						
127630 OALTONDALES BLUE.....*	91-11	3	13	2-33,35	17	2.3	9,826	4.36	428	31	28	-329	+.05	-7	-16
11-11-63 96339 610466 5-73					24		10,953	4.19	459						
127631 BRINKHAROTS SIGNET.....*		1	13	1-84	13	1.2	9,649	3.75	362	**	20	+1	.00	0	0
08-31-62 123115 587354 5-73					3		9,434	3.78	357						
127683 TOLL GATE AYR ROYAL.....		3	15	2-23,54	27	2.0	9,960	3.80	378	**	36	-404	-.01	-17	-26
09-07-63 116767 493188 5-73					18		11,037	3.86	426						
127686 GLENGARRY R JEANS CAPTAIN.....*		16	5	10-14,21,	32	2.3	11,750	3.89	457	17	58	-280	+.03	-7	-14
12-19-56 119647 406881 5-73				42,47,58	29		12,313	3.84	473						
127695 TREASURE ACRES ROYAL LLOYD....*		4	5	3-41,42,	11	2.2	11,091	3.82	424	17	31	+285	-.03	+7	+14
01-18-64 116767 579468 5-73				46	10		10,016	3.97	398						
127715 OAKMORE ROYALTYS PRINCE.....*		1	24	1-31	24	1.9	12,363	3.54	438	4	25	+215	-.07	0	+7
03-08-64 122532 617205 5-73					13		11,510	3.79	436						
127724 DA-RI-LAYR DICS RANOY.....*		1	19	1-33	19	1.5	9,806	3.74	367	**	23	+171	-.01	+6	+10
05-04-64 101527 566950 5-73					4		8,796	3.76	331						
127775 VALHALA CAPTAIN.....*	21-10	71	3	13-13,16,	135	2.1	12,039	3.78	478	11	87	+426	-.11	+3	+15
03-10-64 116767 625310 5-73				21,23,31	24		12,219	3.91	478						
127897 REIDINA P. T. DAWNER.....*		6	11	5-21,23,	19	1.8	13,046	3.91	534	26	33	+134	-.02	+3	+7
06-20-64 118928 633646 5-73				51,52,72	22		13,424	3.99	535						
127948 HANDS ROYAL MYRON.....*		5	17	1-48	41	1.7	11,850	3.84	455	8	43	-37	-.01	-3	-4
01-12-64 116767 607997 5-73					28		11,934	3.89	466						
127969 MAPLE DRIVE COMMANDER B.....*		5	4	2-13,21	14	2.1	12,796	3.69	472	8	40	+128	-.07	-3	+1
05-28-64 117936 615926 5-73					19		12,585	3.86	486						
127989 MACKAYR DOCTOR LARRY.....*		3	16	1-42	32	1.4	11,047	3.91	432	48	35	+3	+.02	+2	+2
05-16-64 124248 456322 1-73					13		10,984	3.86	424						
128006 AYCHWOOD BINGOS GRAND.....*		2	14	2-16,21	16	1.9	13,102	3.84	503	14	25	-21	+.02	+2	+1
09-09-64 116706 640458 5-73					21		13,373	3.75	502						
128016 OAK RIDGE FLASHY KENT.....*		8	12	4-33,42,	24	1.4	11,132	3.75	418	29	34	+8	.00	0	0
09-14-64 120135 623316 5-73				46,47	16		11,061	3.78	418						
128018 OAK RIDGE FANCY JUPITER.....*		3	9	1-93	12	2.2	14,033	3.96	579	0	27	+44	-.01	+1	+2
09-17-64 125168 478243 5-73					61		14,796	3.99	591						
128019 OAK RIDGE COMETS KAVALIER.....*		3	11	2-33,48	15	2.3	13,393	3.88	520	8	28	+373	-.01	+13	+22
09-22-64 122324 590918 5-73					11		12,135	3.94	478						
128029 AYR-PLAINS GUY LARRY.....*		5	3	1-48	10	1.8	9,550	4.27	408	0	32	-242	+.07	-1	-8
07-01-64 106285 568522 1-73					14		10,175	4.04	411						
128034 WINDROW ROYAL GIFT.....*		1	15	1-74	15	1.5	11,618	3.56	414	50	22	-75	+.02	-1	-3
10-21-64 116767 572484 5-73					16		12,012	3.48	418						
128047 CAVERLY FARMS BEAUTYS LEADER..*		2	10	1-11	12	1.0	9,537	4.09	390	**	20	-375	+.01	-13	-22
10-01-64 120383 579798 5-73					56		11,363	4.07	462						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS REC/DAU HM/DAU	HERDMATE	MILK	% FAT	FAT	% 1ST INC	% REPT	PREDICTED DIFFERENCES MILK	%	FAT	$$
128052 MEREDITH PROUD TARQUIN.....*		1	19	1-65	19	1.4	9,087	3.55	323	17	23	-296	+.01	-10	-17
D9-17-64 126125 601494 5-73					32		10,255	3.54	363						
128068 GREEN VALLEY LUCKY.....*		5	15	3-31,32,	22	1.9	10,344	3.75	388	0	32	-128	+.03	-2	-6
C2-29-64 119539 503451 5-73				54	23		10,659	3.68	393						
128069 GREEN VALLEY L. MAC.....*		2	8	1-31	10	1.8	8,277	3.73	309	38	23	-598	+.01	-22	-36
C3-04-64 119539 563089 5-73					10		10,835	3.77	408						
128089 PORTEROALE BETTYS CAESAR.....*	35-05	4	6	2-33,35	16	1.4	12,950	3.86	500	0	34	+491	-.01	+18	+30
10-28-64 117936 460150 5-73					9		11,501	3.89	447						
128106 MACKAYR PREF. MAN.....*		7	24	2-13,33	35	1.6	11,452	3.84	440	24	32	-449	.00	-17	-28
C8-19-64 117528 590111 5-73					11		13,011	3.85	501						
128108 MACKAYR PREF. MIKE.....*	21-10	151	7	13-13,14,	445	1.7	11,507	3.94	453	19	93	-520	+.06	-14	-27
C9-10-64 117528 584504 5-73				15,16,21	23		12,124	3.88	471						
128122 CONEBELLA BONANZA.....*		6	9	2-23,52	22	1.6	12,732	3.96	504	23	37	-90	+.01	-2	-4
11-05-64 94065 533969 5-73					14		13,138	3.95	519						
128125 GREENFIELDS LLOYD ROYAL.....*		6	6	4-31,32,	14	1.6	8,495	3.87	329	0	32	-359	+.01	-13	-22
11-09-64 116767 4D8894 5-73				33,35	11		9,393	3.86	363						
128133 STILLINGS ROYAL BOY.....*		6	6	5-33,42,	16	1.5	10,721	3.81	408	20	35	-187	-.02	-9	-13
10-08-64 116767 627980 5-73				47,48,61	16		11,226	3.88	436						
128147 CRYSTAL SPRING BEVS HIGHBROW..*		2	40	2-12,14	46	1.7	13,626	3.82	521	9	29	+280	-.05	+5	+13
D7-01-63 122194 467519 5-73					8		12,767	4.00	511						
128156 REIDINA ROYALS SCOTT.....*		2	45	2-23,51	47	2.4	12,117	4.15	503	13	29	-57	+.02	0	-2
C2-02-64 116767 543851 5-73					63		12,402	4.10	509						
128177 SHUKSAN RINGO.....*		2	10	2-91,92	12	1.6	12,960	4.10	532	13	23	-43	+.01	0	-1
C8-23-64 116706 632719 5-73					16		13,330	4.06	541						
128182 HIGH ROCKS CONFIDENCE.....		2	5	1-16	10	1.7	12,280	3.97	488	**	27	+102	+.03	+8	+10
12-12-62 127282 656088 5-73					16		11,943	3.84	459						
128186 ELK RUNS ROYAL LIGHTNING.....*		2	12	1-42	21	1.9	12,395	3.61	448	5	34	+122	-.04	0	+4
D8-22-64 116767 628735 5-73					10		12,091	3.75	453						
128197 CLOVERGOLD CARDSHARP.....*		3	5	1-42	11	1.4	12,491	4.03	504	30	28	+181	+.01	+6	+12
C8-27-64 125325 623548 1-73					43		11,887	4.01	477						
128204 WINDROW LLOYD.....*		1	14	1-34	14	1.3	11,780	4.12	485	33	21	-162	+.05	-1	-6
11-14-64 116767 610655 5-73					8		12,678	3.94	499						
128209 BRISKLEA JESTER.....*		4	5	2-13,23	11	1.6	11,126	4.04	449	27	29	-407	+.03	-13	-23
C9-01-64 118304 612899 5-73					16		12,660	3.99	505						
128211 MILAWAY ALBI.....*	23-13	30	3	9-12,13,	59	1.4	12,696	3.93	499	12	72	+427	+.02	+19	+29
D1-20-65 118834 586631 5-73				16,21,23	25		12,164	3.91	476						
128212 OEHARTS NOBLE COMMANDER.....*		4	4	1-42	12	1.3	10,463	4.02	421	33	31	-511	+.05	-14	-27
C1-01-65 117936 610528 9-72					10		12,193	3.89	474						
128241 SILVEROALE FLORENCES FELIX....*		8	2	5-23,31,	12	1.9	9,737	3.86	376	10	40	-242	+.02	-7	-13
11-21-63 123781 536071 5-73				33,65,72	20		10,239	3.83	391						
128251 SUNBEAM LUCKY ROYAL.....*		2	10	2-47,48	20	2.1	9,383	4.02	377	0	35	-220	-.01	-10	-15
C9-22-64 116767 496034 5-73					30		9,838	4.11	404						
128256 TALLCORN BRIGHT BOY.....*		1	11	1-42	11	1.1	12,441	3.98	495	**	19	+231	+.03	+12	+17
12-14-63 122280 530450 5-73					8		11,164	3.82	426						
128275 FAIR MEADOWS MEGATHON.....*		8	6	5-23,51,	21	1.8	10,996	4.07	448	20	43	+13	+.06	+7	+6
12-18-62 117936 365196 5-73				65,72,85	22		10,903	3.94	430						
128287 LANEWAY NORTHERN LIGHT.....*		1	41	1-55	41	2.2	10,354	3.91	405	16	28	-337	-.03	-16	-23
03-16-64 104237 432412 5-73					12		11,574	4.03	467						
128289 MAR-RAL HI KICK.....*	31-07	8	11	5-14,23,	25	2.2	14,848	3.97	590	9	40	+1,001	.00	+39	+62
05-22-64 117936 646508 5-73				33,41,42	29		12,456	4.00	498						
128397 MACKAYR ROYAL JET.....*		5	6	3-82,92,	12	2.1	14,010	3.62	507	0	32	+521	-.13	+5	+20
12-09-64 116767 534843 5-73				93	11		12,477	3.99	498						
128428 MILAWAY OAN.....*	21-10	33	2	7-12,13,	48	1.8	11,541	3.85	444	12	73	-400	-.01	-17	-26
04-30-65 118834 556824 5-73				21,23,42	21		12,156	3.87	471						
128485 HAYNES FARM ROYAL SAILOR.....*		3	9	2-21,31	14	1.6	11,292	3.59	405	11	28	-156	-.08	-15	-17
C8-14-64 116767 533328 5-73					35		11,898	3.90	464						
128557 SELWOOD ALONAS JEWEL.....*		8	2	4-35,41,	12	1.4	10,202	3.67	374	27	36	-146	-.05	-11	-13
C8-28-64 128556 692316 5-73				42,46	11		10,504	3.82	401						
128577 GREENRANGE SUNBURST.....*		5	8	2-41,42	17	1.9	11,411	3.82	436	7	34	-27	.00	-1	-2
01-14-65 125879 645559 5-73					12		11,490	3.84	441						
128590 GLENMOOR ROYAL.....*		2	14	1-41	16	1.4	10,674	3.94	421	33	23	-156	+.01	-5	-9
10-20-64 116767 651425 5-73					16		11,328	3.95	448						
128591 PORTERDALE LLOYD.....*		2	24	1-21	26	1.9	11,887	3.74	444	6	27	-151	-.04	-10	-13
03-03-65 116767 555044 5-73					49		12,543	3.89	488						
128601 WOODHULL COUNT SAM.....		1	10	1-48	10	2.1	12,615	3.76	474	0	22	+241	-.04	+5	+11
02-27-65 124954 608181 1-73					13		11,528	3.90	450						
128617 UNION AYR BRUNO.....*		6	3	3-35,41,	11	1.6	11,843	3.76	445	13	33	+97	-.01	+3	+5
02-08-64 117528 615187 1-73				42	13		11,553	3.76	434						
128637 MOOERN AYR MOOERN PAT.....*		3	9	3-33,41,	14	2.0	6,739	3.92	343	8	29	-261	+.03	-7	-14
C1-04-65 126030 596904 5-73				47	9		9,431	3.84	362						
128652 SHAMROCK PREFERRED BRIEN.....*		4	4	3-48,82,	11	1.1	13,382	3.79	507	0	28	+276	-.05	+5	+12
05-10-65 118581 589305 5-73				84	8		12,484	3.96	494						
128663 HI-LANES SAMSONS JACK.....*		1	17	1-42	17	1.5	10,593	3.99	423	**	23	-49	+.02	0	-1
07-31-64 117274 626607 5-73					10		10,733	3.91	420						
128673 TALLCORN ROYAL INSIGNIA.....*		2	8	1-42	16	1.7	11,543	3.86	445	6	32	-229	-.02	-11	-16
07-22-65 116767 642977 5-73					8		12,340	3.95	487						
128674 STAFFORD FARM JUDYS COMMANDER.*		6	9	5-12,13,	27	1.4	13,474	4.15	559	42	42	+113	+.06	+11	+12
12-12-64 117936 591348 5-73				21,50,52	18		13,390	4.05	542						
128677 SHJKSAN HONEST LLOYD.....*		3	9	1-91	14	2.2	11,612	3.82	444	**	30	+156	-.01	+5	+9
C3-17-64 116767 627167 5-73					8		11,044	3.85	425						
128678 WINDROW JOLLY HENRY.....*		7	3	2-31,32	13	1.8	10,339	4.08	422	9	37	-454	+.07	-10	-22
03-26-65 113384 615134 5-73					20		11,570	3.90	451						
128692 CHESTNUT RIDGE ILAS COUNT.....*		5	5	2-12,21	12	1.8	13,214	3.84	507	0	33	+85	-.01	+2	+4
C3-05-65 119554 589499 5-73					37		13,110	3.87	507						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER DF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS	REC/DAU HM/DAU	MILK HERDMATE	% MILK	% FAT	1ST LST FAT	REPT INC	%	PREDICTED DIFFERENCES MILK	%	FAT	$$
128728 CREST AYR ROYAL KINGFISH.....*		3	6	3-32,65,	14	1.9	13,775	3.68	507	17	33	-122	-.04	-9	-11
C8-19-64 116767 542602 5-73				85	20		14,437	3.78	546						
128766 SAND BANK SANDY.....*		3	8	1-12	13	2.3	10,946	3.96	433	15	30	-496	-.01	-20	-31
C8-24-65 116767 650301 5-73					14		12,711	4.00	509						
128835 CLAYLAND ROYAL FRIDAYS BOY....*		2	9	2-42,47	11	2.0	12,664	4.03	510	10	25	+224	-.01	+8	+13
C8-13-65 116767 656855 5-73					9		11,778	4.08	481						
128844 HILLEND JASON.....*		3	11	1-13	17	1.4	10,974	4.02	441	10	28	+135	-.01	+4	+7
10-02-65 119293 644595 5-73					19		10,379	4.09	425						
128846 MACKAYR VICTORY.....*		3	24	2-31,33	28	1.4	11,493	4.10	471	14	26	+39	.00	+2	+3
C2-11-65 117225 571457 5-73					7		11,323	4.12	466						
128852 BEAUTYS ROYAL CHAMP.....*		2	19	1-32	21	1.5	11,625	3.76	437	10	25	-44	-.05	-7	-7
C8-19-65 116767 662769 5-73					7		11,837	3.97	470						
128857 MONTANA BOB.....*		1	13	1-81	13	1.5	14,790	3.54	523	8	22	+42	-.01	0	+1
8-20-65 116767 509874 5-73					32		14,938	3.55	531						
128873 LOWVILLE GOLDEN KING.....*		1	13	1-41	13	1.7	10,661	3.87	413	18	22	+8	+.04	+5	+4
C4-15-65 121746 593854 5-73					11		10,523	3.63	382						
128880 GREENRANGE GEMINI.....*		1	12	1-13	12	1.3	11,970	3.79	454	25	20	-78	-.01	-4	-6
C8-29-65 126811 588717 5-73					21		12,462	3.88	483						
128888 OAK RIDGE FLASHY WATERLOO.....*		5	2	1-33	11	1.4	11,350	3.57	405	22	34	-73	-.06	-10	-10
10-02-65 120135 574288 5-73					11		11,570	3.78	437						
128946 BENTLEY BERNADETTES CARMIRA...*		5	7	2-33,42	26	1.5	12,588	3.77	475	4	44	+338	-.08	+4	+14
C3-07-65 118834 613175 5-73					24		11,846	3.95	468						
128953 HANOS PRIDE MODEL.....*		3	4	1-48	10	1.8	12,311	3.81	469	29	30	+19	-.01	0	+1
C8-03-65 126811 655575 5-73					32		12,328	3.86	476						
128997 CARNELL SUPER STYLE.....*		6	8	3-13,14,	25	1.8	11,925	3.93	469	14	44	-223	-.02	-11	-16
12-21-64 128996 697910 5-73				21	27		12,539	4.00	502						
128999 KINGSTON PLACE REO ROYAL.....*		3	9	2-13,14	12	1.7	10,130	3.94	399	17	26	-292	+.03	-8	-15
C7-11-65 116767 484994 1-73					18		11,246	3.84	432						
129001 WINDROW EXTRA MARGIN.....*		2	23	1-23	27	1.4	13,512	4.16	562	19	26	+327	+.04	+17	+24
11-26-65 116706 521344 5-73					63		12,352	4.09	505						
129002 TURK-AYR COMMANDERS PRINCE....*		3	11	1-48	16	1.5	12,170	3.82	465	13	27	+109	+.02	+6	+8
10-27-65 117936 574538 5-73					25		11,798	3.75	443						
129026 MACKAYR SUPER MAC 2ND.....*		2	12	2-33,64	14	1.5	11,852	3.95	468	15	23	-84	+.03	0	-3
C8-14-65 114345 590111 5-73					12		12,293	3.88	477						
129063 ALYNEDDY WALTER.....*		4	4	2-21,23	13	1.4	11,729	4.08	478	**	33	+81	+.03	+7	+8
C2-17-64 119160 572357 5-73					11		11,481	4.00	459						
129076 BEAR VALLEY PRIDES MASTER.....*		7	4	5-35,41,	17	1.7	10,811	3.51	380	0	42	+35	-.10	-10	-7
10-01-65 126811 645994 5-73				42,46,47	13		10,639	3.77	401						
129110 MAR-RAL COMMANDERS PRIDE.....*	21-10	85	4	16-12,13,	171	1.2	13,678	3.66	501	23	87	+1,084	-.18	+19	+48
12-13-65 117936 536271 5-73				21,23,31	23		12,529	3.86	483						
129119 MAPLE DELL FLASHY F. C. H.....*		2	8	2-51,73	10	1.8	10,505	4.10	431	0	23	-188	+.01	-6	-11
C8-03-65 126028 651696 5-73					24		11,303	4.10	463						
129162 MEREDITH MERITORIOUS.....*		7	18	3-42,47,	47	1.7	11,426	3.90	446	30	45	+110	-.04	0	+3
C4-24-65 127688 662852 5-73				48	31		11,141	4.00	446						
129166 MEREDITH MARIO.....*	33-03	44	3	19-21,23,	81	1.1	11,709	3.78	443	25	76	+149	-.08	-3	+2
11-28-65 127688 637469 5-73				41,48,58	21		11,511	3.89	448						
129171 BROADVIEW AYR ROYAL CHIEFTAIN.*		1	11	1-31	11	1.1	10,071	3.79	382	**	19	-92	.00	-4	-6
C1-08-66 116767 569263 5-73					22		10,456	3.88	406						
129172 SHARWARDS ODC OF MARY.....*		3	5	1-42	10	1.5	14,208	3.68	523	0	26	+394	-.04	+11	+21
C4-20-65 125928 588548 5-73					11		12,827	3.79	486						
129180 ANCHOR MERE BOBBY.....*		1	10	1-14	10	1.1	8,006	3.88	334	40	18	-256	+.02	-8	-14
12-14-65 129179 7C0931 5-73					14		9,850	3.84	378						
129203 OAK RIDGE SILVER SHIELD.....*		4	7	3-47,48,	14	1.4	14,481	3.94	570	0	31	+165	.00	+6	+10
01-01-66 126029 623315 5-73				93	41		14,211	3.96	563						
129204 OAK RIDGE STANDARD BEARER.....*		2	16	1-42	18	1.4	11,327	4.06	460	6	24	-154	+.05	0	-5
C2-16-66 126029 496719 5-73					15		12,015	3.89	467						
129241 SPRING AYR ACE LANCER.....*		1	14	1-42	14	1.1	16,302	3.62	590	71	20	+422	-.04	+11	+22
01-11-65 117706 628735 5-73					11		14,455	3.76	544						
129268 AYRKOTA MODEL JIM.....*		3	8	1-46	13	1.6	12,139	4.11	499	9	28	+111	+.07	+13	+14
C8-15-65 126811 653099 5-73					8		11,760	3.86	454						
129269 AYRKOTA FANCY LUCKY.....*		3	8	1-46	15	1.6	10,643	4.00	426	13	31	-59	+.06	+5	+2
C9-27-65 126344 661110 5-73					15		10,760	3.76	405						
129273 MAR-RAL MAUDES KING.....*		3	9	1-35	13	1.6	12,338	4.00	493	27	26	+303	.00	+12	+19
C1-16-65 117936 594297 5-73					26		11,130	4.02	447						
129274 MAR-RAL LUCKY BOY.....*		7	2	7-13,31,	12	1.2	11,685	3.99	466	27	35	+297	+.05	+17	+23
C3-22-66 117936 620620 5-73				32,43,72	23		10,766	3.85	414						
129300 AL-AYR COMMANDER LEO.....*		7	21	5-33,47,	32	1.3	12,988	3.88	504	3	31	+266	+.01	+11	+17
C1-24-65 117936 600392 5-73				48,65,73	31		12,189	3.86	471						
129306 PORTERDALE BETTY LAD.....*		2	16	1-21	18	1.1	13,013	3.65	475	6	22	+129	-.04	0	+4
C3-25-66 117936 555044 5-73					57		12,538	3.83	480						
129317 ELM GROVE TODD.....*		1	18	1-13	18	1.7	10,442	3.89	406	**	23	-76	+.01	-2	-4
03-04-64 116706 537088 5-73					28		10,689	3.91	418						
129419 WOLLINGS PROUD ROYAL.....*		2	11	2-33,35	13	1.3	9,242	3.81	352	0	22	-141	+.01	-4	-8
01-16-66 126811 622891 9-72					15		9,696	3.75	364						
129464 SEVEN-AYR BOBS LUCK.....*		1	13	1-46	13	2.7	9,768	3.89	380	0	25	-237	+.01	-8	-14
C5-19-65 126712 649112 5-73					7		10,631	3.88	412						
129465 GEN-LO MODEL ASTRO.....*		5	8	2-47,48	15	1.1	10,255	4.14	425	23	27	-136	+.03	-2	-6
08-23-65 105285 593917 1-73					13		10,680	4.05	433						
129466 TALLCORN BEVERLYS VICTOR.....*		3	7	1-42	20	1.4	11,399	3.97	453	26	37	-24	+.01	0	-1
C7-09-65 119160 664095 5-73					7		11,461	3.95	453						
129491 GLENCAMERON CAPTAIN AMBASSADOR*		1	16	1-41	16	1.4	9,341	3.91	365	14	22	-330	+.02	-11	-19
11-15-64 127202 704928 5-73					6		10,776	3.88	418						
129510 SCOTCH HAVEN A-GO-GO.....*		3	10	3-31,32,	14	1.1	9,974	3.82	381	**	23	-213	+.02	-6	-11
C4-10-65 126713 579939 5-73				52	16		10,829	3.78	409						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HO	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS HM/DAU	REC/DAU HEROMATE	MILK MILK	% %	FAT FAT	1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
129524 TALLCORN BEVS COMMADORE.....*		2	9	2-41,42	11	1.8	11,291	4.04	456	18	24	+6	+.01	+1	+1
01-05-65 122280 590703 5-73					10		11,239	4.02	452						
129534 JACKSON HILL PRINCE.....*		2	9	1-21	17	1.2	12,903	3.78	488	50	30	+93	-.01	+3	+5
02-16-66 125569 632867 5-73					16		12,712	3.79	482						
129540 CLOVER LAWN LAYNE CAPTAIN.....*		1	21	1-41	21	1.1	9,482	3.84	364	**	21	+204	+.02	+10	+14
07-20-65 126602 558209 5-73					52		8,188	3.70	303						
129597 CRYSTAL SPRING ROYAL ENTERPRIZ*		5	3	4-12,14,	11	1.5	11,845	3.78	448	25	33	-133	-.01	-6	-9
07-15-65 116767 510478 5-73				42,65	20		12,326	3.82	471						
129614 UNION AYR LUCKS BELL MEOICO...*		1	21	1-48	21	1.4	12,165	3.69	449	25	23	+5	-.01	-1	-1
07-13-65 125928 663850 5-73					27		12,214	3.75	458						
129617 KIMBALL FARM HES FLASHIE.....*		4	10	3-12,14,	18	1.3	9,109	3.74	341	**	30	-220	.00	-9	-14
01-24-65 116628 427107 5-73				72	17		9,671	3.78	366						
129631 ESTEFORO CROWN PRINCE.....*		3	7	2-47,48	17	1.7	11,690	4.06	475	9	36	-34	+.01	0	-1
07-19-65 116767 645271 5-73					20		11,816	4.06	480						
129637 OECK-AYR JAMES.....*		1	19	1-23	19	1.6	9,728	4.06	395	**	24	-63	+.02	0	-2
10-31-64 119160 621559 5-73					83		9,830	3.97	390						
129656 BALIG GOLDEN CHALLENGE.....*		4	4	3-33,35,	12	1.6	8,648	4.15	359	**	33	-502	+.06	-13	-26
02-09-64 129654 706254 5-73				41	12		10,028	3.95	396						
129697 DONHOLM COMMANDERS VICTORY....*	21-10	89	3	20-12,13,	163	1.2	12,182	4.02	490	16	87	+121	+.12	+19	+19
11-17-65 117936 707036 5-73				21,23,31	20		12,130	3.89	471						
129701 GLEN MALCOLM HIGHLANDER.....*		3	19	1-91	23	1.5	13,909	3.58	498	14	26	+179	-.06	0	+5
05-17-65 119647 707160 5-73					13		13,419	3.79	508						
129711 MAR-RAL GUY.....*	21-10	43	2	7-13,14,	64	1.2	12,259	3.97	487	24	75	-311	+.10	-1	-10
07-24-66 126285 646508 5-73				15,16,21	21		12,802	3.87	495						
129728 VOLLINGS STORMY COMMANDER.....*		3	9	2-33,42	14	1.2	10,365	3.78	392	14	20	+66	-.02	0	+2
03-27-66 117936 6C5605 5-73					19		9,950	3.86	384						
129778 FAIR-AYR JENNY COMMANDER.....*		2	8	1-31	11	1.5	10,849	3.95	429	**	24	-25	+.01	0	-1
10-26-64 117936 620493 5-73					15		10,893	3.93	428						
129821 MASONIC HOMES ROYAL BLENO.....*		3	9	2-21,23	12	1.3	13,555	4.16	564	25	24	+198	+.05	+14	+17
C3-19-66 116767 566874 5-73					35		12,862	4.00	514						
129855 PRAIRIE VICTORY.....*		1	11	1-31	11	2.3	9,200	3.78	348	29	23	-205	.00	-8	-13
C8-10-64 127220 675364 5-73					15		9,944	3.82	380						
129861 FOSTER FIELDS OJKE.....*		1	10	1-21	10	1.6	12,212	3.73	455	0	21	+266	-.04	+6	+13
11-29-65 117936 622759 1-73					39		10,847	3.88	421						
129870 IO-WAYSIDE COM. RUBEN.....*		6	4	2-42,47	17	1.6	13,335	3.72	496	0	42	+257	-.05	+4	+11
C8-11-65 126640 597508 5-73					13		12,855	3.81	490						
129886 REIOINA BRIGHT PROFILE.....*		4	4	3-11,23,	10	1.2	11,206	3.90	437	30	27	+45	+.02	+4	+5
03-23-65 113986 547250 9-72				65	27		10,983	3.81	419						
129905 MAR-RAL BRUIS COMMANDER.....*	35-75	3	15	2-73,93	19	1.4	17,189	3.86	664	6	26	+587	-.03	+19	+33
06-03-66 117936 584809 5-73					55		15,262	3.97	606						
129982 OAK RIDGE HELENS AMBASSADOR...*	35-75	18	4	12-13,31,	38	1.1	11,355	3.86	438	17	59	+26	.00	+1	+2
07-27-66 120135 559391 5-73				48,65,73	28		11,287	3.85	435						
130013 TUMBLEWEED FARMS PRINCE ROYAL.*		1	13	1-31	13	1.4	11,615	3.56	413	15	21	-96	-.01	-5	-7
C8-14-66 127715 628207 5-73					16		12,140	3.64	442						
130015 WAYNE TRAIL CAPTAINS CHARMER..*		1	17	1-31	17	1.3	12,074	3.71	448	24	22	-161	.00	-6	-10
01-15-66 119999 523852 1-73					30		12,965	3.74	485						
130017 AYLEWAROS ROYAL LAO.....*		8	5	4-21,33,	22	1.3	11,721	4.26	499	33	42	-527	+.17	-2	-18
11-29-64 130016 712684 5-73				35,93	9		13,126	3.90	512						
130021 M. F. BELLS MOONBEAM.....*		1	11	1-31	11	1.5	11,768	3.60	424	36	20	-7	-.04	-5	-4
01-30-66 117733 651658 5-73					8		11,838	3.82	452						
130097 MEREDITH PREFECT.....*		1	12	1-42	12	1.1	10,809	4.32	467	18	19	-126	+.04	0	-4
10-20-66 125328 592809 5-73					45		11,473	4.07	467						
130111 OAK RIDGE KELSTAR.....*	21-10	86	6	13-12,13,	184	1.1	11,280	3.83	432	27	84	-997	-.04	-43	-65
09-20-66 125168 478243 5-73				14,16,21	27		12,570	3.88	488						
130123 MACKAYR SUPER IMPERIAL.....*		3	9	1-42	14	1.3	12,619	3.68	465	29	26	+76	-.03	-1	+1
C7-25-66 114345 621905 5-73					10		12,414	3.83	475						
130168 DONHOLM COMMANDER JACKS CHOICE*		12	2	8-13,16,	17	1.2	11,489	3.82	439	7	45	+209	-.01	+7	+12
10-27-63 117936 693372 5-73				35,41,72	16		10,963	3.83	420						
130174 MAR-RAL PICKLES BOY.....*	23-13	14	1	6-21,22,	16	1.2	13,428	3.81	511	0	45	+624	-.03	+21	+36
12-09-66 118834 644911 5-73				23,31,52	18		12,092	3.86	467						
130191 TIM-AYR COMMANOD.....*		3	6	2-42,47	12	1.7	10,670	3.58	382	50	29	-344	-.01	-14	-22
12-07-65 119673 517472 5-73					10		11,897	3.63	432						
130236 M. F. KELLYS WHITE KNIGHT.....*		1	12	1-31	12	1.2	11,029	4.16	459	17	19	-10	+.05	+5	+4
C9-03-66 127511 705537 5-73					16		11,039	3.91	432						
130273 MINNETONKA BETTER MAN.....*		2	9	2-41,42	12	1.1	9,095	3.88	353	0	23	-111	+.01	-3	-6
09-10-66 126030 678571 5-73					20		9,379	3.85	361						
130316 BRISKLEA SOLID SILVER.....*		3	7	1-21	10	1.3	10,808	3.95	427	60	23	-557	+.06	-15	-29
08-01-66 118304 672021 9-72					25		13,411	3.74	502						
130353 LANEWAY FLASHY SIR KNIGHT.....*		1	10	1-14	10	1.1	10,776	3.90	420	10	18	-151	+.01	-5	-9
C4-11-67 120135 676809 5-73					18		11,620	3.90	453						
130362 HILLSIDE VIEW FANCY BOY.....*		2	8	1-12	10	1.0	12,580	3.82	481	50	20	-36	-.04	-6	-6
12-03-66 116767 643128 5-73					30		12,905	4.07	525						
130386 WOODHULL BETTY BOB.....*		4	4	1-73	10	1.1	13,983	3.78	528	10	20	+511	.00	+20	+32
05-13-66 117936 608187 5-73					18		12,064	3.74	451						
130412 CLOVER LAWN CHERRYS BOMBER...*		1	26	1-41	26	1.0	8,853	4.06	359	22	22	+27	+.03	+5	+5
C7-14-66 126002 651151 5-73					39		8,418	3.83	322						
130489 IOW AYR RJBYS ORRIN.....*		7	2	3-35,42,	10	1.3	11,205	3.93	440	20	32	-125	+.03	-1	-5
C8-28-66 125032 663121 5-73				47	15		11,609	3.83	445						
130594 MODERN AYR LASSIES PRINCE.....*		1	11	1-41	11	1.0	10,485	3.61	379	**	18	-78	-.04	-8	-9
10-10-66 129930 711156 5-73					10		10,849	3.94	427						
130609 ELZING WALOA REX 20X.....*	21-10	29	2	4-11,13,	41	1.1	11,513	3.96	456	24	65	-641	+.05	-19	-35
08-14-66 117936 671833 5-73				21,31	22		12,614	3.89	491						
130643 ESTEFORO PRINCE EDWARD.....		2	16	1-48	18	1.6	11,193	3.97	444	0	25	-113	.00	-4	-7
12-05-65 116767 572398 5-73					12		11,667	3.99	466						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS	REC/DAU HM/DAU	MILK HERDMATE	% MILK	FAT %	% FAT INC	1ST REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
13D685 COVEBELLA RUTHS COMMANDER.....*	23-09	23	4	8-23,31,	62	1.0	11,336	3.95	447	18	68	-118	+.01	-4	-7
C4-21-67 117936 620482 5-73				50,51,72	22		11,475	3.97	455						
13D695 SELWOOD LUCKY IDEAL.....*		1	27	1-42	27	1.3	11,619	4.04	469	22	23	-133	-.02	-7	-10
10-03-65 128930 692316 5-73					12		12,270	4.15	509						
13D631 BEACON M. P. GAYLORD.....		1	16	1-58	16	1.3	9,193	3.35	308	25	22	-262	-.03	-14	-19
C1-12-65 118681 611886 5-73					33		10,295	3.57	368						
13D875 AYLEWARDS ROYAL FUTURIST.....*		1	12	1-33	12	1.2	11,936	3.99	476	0	19	-230	+.01	-8	-14
11-08-65 126999 726683 5-73					8		13,303	4.01	533						
13D931 ODYSSEY KING IVORY.....*		5	3	3-82,91,	12	1.2	11,314	4.15	469	0	33	-265	+.09	0	-8
C3-27-59 125335 727396 1-73				92	8		12,179	3.91	476						
13C966 TREASURE ACRES A. CAPTAIN.....*		1	10	1-42	10	1.0	11,375	4.13	470	20	18	-62	+.02	0	-2
C8-01-67 129491 543932 5-73					40		11,754	4.06	477						
131142 OAK RIDGE COMMANDERS STAR.....*	23-13	4	5	1-51	11	1.0	11,894	3.98	473	9	26	+231	.00	+9	+14
11-07-67 117936 478243 5-73					49		10,935	4.01	438						
131173 BARDSHIRE BETTYS JUDY BDY.....*		7	7	1-21	27	1.6	10,903	3.67	400	42	46	-409	-.02	-18	-27
12-20-62 117936 564410 5-73					18		11,817	3.73	441						
131243 UNION AYR ROYAL CHIMES.....*		1	15	1-48	15	1.3	12,457	3.62	451	33	21	-52	-.01	-3	-4
C7-10-66 116767 663850 5-73					26		12,833	3.69	474						
131468 BEACON M. P. RAMON.....		1	11	1-58	11	1.3	9,388	3.38	317	30	20	-215	-.02	-11	-16
C1-07-65 117839 611868 5-73					37		10,382	3.59	373						
131515 TIM-AYR MR. VICTORY.....*		1	12	1-42	12	1.6	13,156	3.72	489	75	19	-23	+.01	0	-1
C5-01-67 120135 619407 5-73					10		13,478	3.67	494						
131654 VALHALA THE JUDGE.....*		3	5	2-21,64	10	1.0	13,464	3.81	513	0	25	+231	-.03	+6	+12
C8-21-56 118834 625310 5-73					31		12,634	3.90	493						
132374 SENELAKECA BETTYS LIGHT.....*		1	13	1-21	13	1.0	13,510	3.96	535	8	19	-166	+.06	0	-5
C4-16-67 120135 662988 5-73					28		14,705	3.74	550						
133376 VALLE VERDE BRUCE.....*		1	16	1-93	16	1.6	14,308	3.94	564	8	20	+105	+.01	+5	+7
C9-12-65 127124 638329 5-73					68		14,031	3.92	550						
48WHH7101		1	22	1-48	22	2.1	9,945	3.68	366	10	26	-111	-.01	-5	-7
5-73					3		10,250	3.75	384						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS	REC/DAU HERDMATE	MILK	%	FAT	% 1ST INC	% REPT	PREDICTED DIFFERENCES MILK	%	FAT	$$
344748 FLYING HORSE MASTER-S ROYAL...*	35-05	6	5	2-32,35	14	1.6	9,300	4.88	454	**	34	-47	+.02	0	-1
C7-01-43 277540 641767 5-73					20		9,377	4.82	452						
359246 FLYING HORSE MASTER-S DON.....*	93-05	23	3	7-21,31,	42	2.6	10,721	4.88	523	**	67	+114	+.15	+20	+20
C8-13-44 277540 641767 1-73				34,91,93	17		10,638	4.68	496						
382418 CURTISS CANOY VERITY LAD.....*		7	20	4-35,41,	46	4.2	9,257	4.87	451	**	47	-3	+.01	+1	+1
12-18-45 244239 780505 5-73				63,93	12		9,180	4.88	448						
398003 GOLDEN BULL FARMS GOLDEN.....*	63-02	12	2	2-61,63	19	2.4	8,313	4.55	378	**	52	+41	-.03	-1	0
10-26-46 258675 703219 9-72					9		8,034	4.63	372						
421253 PLEGROSANT PRINCE LADDIE.....*	35-75	22	2	2-35,41	28	2.1	8,648	4.94	427	**	61	-223	+.07	-3	-9
C7-16-46 235690 444411 5-73					11		8,901	4.83	430						
422711 HOMINY HILL CHAMPION.....*	33-03	86	3	28-16,22,	132	3.2	10,592	4.50	477	7	88	+383	-.17	3	+12
02-03-48 240947 839586 5-73				23,56,93	34		10,172	4.71	479						
431647 HOMINY HILL CORONATION PRINCE.*	33-03	18	2	10-11,14,	24	2.8	8,389	4.73	397	**	59	-592	+.07	-21	-35
05-22-48 250949 615412 5-73				22,23,72	25		9,325	4.63	432						
435547 BOULDER BRIDGE PRIZE.....	41-04	28	2	3-35,41,	42	1.9	8,253	4.97	410	**	68	-310	+.15	3	-9
11-13-47 354611 844809 5-73				42	10		8,563	4.73	405						
438179 BOULDER BRIDGE ARCHITECT.....	41-04	16	1	3-35,41,	18	1.7	9,239	4.83	446	**	50	+49	+.05	+7	+7
C4-18-48 339328 844815 1-73				45	8		9,043	4.74	429						
448935 NYALA KINGS CAVALIER.....*		53	20	10-16,21,	154	3.1	10,606	4.88	518	22	73	+298	+.14	+28	+32
C3-29-49 297107 662789 5-73				23,51,54	18		10,219	4.72	482						
458927 BOULDER BRIDGE SIR ROYAL.....*		3	11	1-41	26	4.0	10,167	4.81	489	20	43	-1	+.05	+5	+4
11-29-49 407865 546157 1-73					14		10,187	4.71	480						
462050 WELCOME IN CLAREMORE.....*		7	5	2-31,65	14	2.9	8,168	4.84	395	**	38	-325	+.09	-6	-15
03-15-50 434089 1028979 1-73					27		8,926	4.57	408						
464028 SANFADAIR ROYAL CHASKA.....*	35-06	14	3	2-35,41	29	2.8	9,251	4.66	431	**	59	+4	-.01	-1	-1
03-26-50 417592 758922 1-73					13		9,157	4.72	432						
465100 ADDHR PRETORS PROSPECTOR.....		2	86	1-85	88	2.6	12,205	4.29	524	**	31	+351	-.03	+13	+21
C3-17-50 370946 852741 5-73					488		11,171	4.31	482						
465510 HAM FARM KING IDEAL.....*		5	28	2-52,63	37	2.7	8,572	4.86	417	**	33	-115	+.04	-1	-4
03-03-50 451884 1044265 5-73					26		8,804	4.75	418						
467421 FRANCHESTER P. WISTAR.....*		13	23	4-31,52,	51	3.7	10,356	4.58	474	14	46	+144	-.08	-1	+4
06-20-50 361037 664860 5-73				55,58	19		10,245	4.77	479						
468706 WANDAMERE DOUGLAS BERWICK.....*	93-10	9	7	1-93	29	2.7	8,735	4.98	435	0	50	-517	+.15	-10	-24
10-10-50 249045 959360 5-73					29		9,739	4.69	457						
469392 MT. EPHRAIMS ACTORS MERIT.....*		6	11	2-51,52	25	3.5	10,351	4.75	492	**	43	+66	-.03	3	+2
10-25-50 428869 1097096 5-73					21		10,215	4.87	497						
473496 ADDHR KING PERFECTOR.....*	93-10	7	3	4-33,86,	14	2.6	9,385	4.98	467	**	44	-239	+.12	+1	-6
10-03-50 356079 670287 5-73				92,93	30		9,927	4.69	466						
474647 WANDAMERE DOUG-S HERCULES.....*		5	5	3-51,91,	15	4.3	9,774	4.83	472	**	41	+66	-.03	3	+2
02-15-51 249045 959362 1-73				92	26		9,566	4.93	472						
476113 OUNWALKE N. K. FINANCIER.....*		3	18	1-23	35	3.1	9,332	4.58	427	17	40	-123	-.02	-8	-10
C4-12-51 453191 922297 1-73					21		9,596	4.66	447						
476271 QUAIL ROOST RAY ACTOR.....*		3	51	1-55	57	3.5	8,282	4.99	413	3	33	-226	-.04	-14	-18
C4-02-51 420379 902527 5-73					43		8,847	5.15	456						
479469 NORTHFIELD JIM DANDY.....*		2	14	1-51	26	3.0	9,481	4.39	416	**	37	-6	-.11	-11	-9
03-07-51 278121 917148 5-73					19		9,447	4.73	447						
488115 PONAKIN BROOK-S SENATOR.....*		2	16	1-14	26	3.0	9,988	4.61	460	**	36	-211	+.02	-8	-13
06-18-51 411316 889451 5-73					13		10,638	4.58	487						
488786 MCDONALD FARMS PREMIER.....*		88	7	24-21,23,	192	3.1	10,413	5.00	521	15	88	+158	+.19	+27	+27
12-06-50 293925 1170187 5-73				31,35,47	23		10,256	4.82	494						
489007 HOMINY HILL MUSICIAN.....*	33-03	31	6	13-22,23,	74	2.3	8,323	4.41	367	20	74	-501	-.10	-33	-42
C2-07-52 422711 670669 5-73				33,65,93	14		8,890	4.59	408						
489360 IDEAL-S MIMIR.....	35-02	18	2	4-35,52,	24	2.7	9,066	4.81	436	**	59	-90	+.04	3	-3
C6-25-50 438326 866846 1-73				74,85	22		9,129	4.74	433						
491754 ADDHR PETER PAN PRINCE.....*	93-02	39	31	12-41,86,	196	2.2	12,156	4.45	541	13	70	+586	-.06	+21	+35
C1-12-52 431555 670287 5-73				87,91,93	93		11,464	4.51	517						
492233 BURKEVILLE EMORYS BUTTER BOY..*		2	36	1-52	70	4.3	7,053	4.78	337	10	46	-244	+.03	-8	-14
12-31-51 412729 871470 5-73					44		7,319	4.71	345						
494519 QUINCY CAVALIERS GAYLARK.....*	63-01	48	4	5-33,52,	111	2.5	9,163	4.78	439	14	84	+32	+.10	+12	+11
04-27-52 448935 1079035 5-73				58,61,63	18		9,046	4.65	421						
497409 FAIRLAWN K PRINCETON.....	41-25	84	6	7-35,41,	181	2.4	9,032	4.56	412	16	87	-245	-.11	-22	-25
05-22-52 297107 1081063 5-73				42,43,48	14		9,235	4.72	436						
497411 FAIRLAWN ACTORS ACME.....*	23-11	76	6	9-21,22,	186	2.2	9,780	4.49	439	19	87	+195	-.18	-9	-1
05-29-52 322785 1097431 5-73				23,51,55	17		9,504	4.72	449						
498655 MAXVALE-S BETTEY-S LUCKY STRIK*		3	34	1-91	40	3.1	8,931	5.20	463	**	32	-265	+.04	-8	-15
06-17-52 426217 931236 5-73					17		9,712	5.11	496						
498700 VILLA CREST KING DICTATOR.....*	61-01	38	9	4-21,32,	132	2.4	8,066	4.88	394	14	80	-663	+.09	-22	-38
C9-02-52 474842 1162248 5-73				61,63	9		8,769	4.77	418						
499283 OANGRA-S BEAUTY HYPERION.....*		7	18	3-52,55,	48	2.7	9,447	4.90	463	19	47	-241	+.07	-4	-11
06-26-52 453191 1007534 5-73				56	30		9,952	4.77	475						
499513 LOCUST GROVE MERITS STEADFAST.*		8	16	4-23,35,	31	2.8	9,368	4.52	423	**	40	-20	-.03	-4	-4
08-15-52 428869 1167690 5-73				82,92	16		9,353	4.62	432						
499878 LONVU MAJESTY-S PRINCE.....*		2	26	1-11	33	3.2	9,845	4.58	451	**	33	+215	-.05	+5	+11
C1-19-52 332819 1020805 5-73					4		9,108	4.75	433						
499882 WILSONA FARMS JONACRE.....*		6	13	1-92	27	1.9	9,243	4.93	456	**	38	-197	+.03	-6	-11
C7-30-52 359210 769484 5-73					19		9,738	4.89	476						
500335 WANDAMERE MAGICS JUDGE.....*		5	58	1-91	83	3.3	10,250	4.82	494	**	38	+14	+.01	+2	+2
01-20-53 420860 832756 5-73					17		10,234	4.81	492						
500798 QUAIL ROOST PROUD TRAVELER....*	52-01	45	16	8-21,51,	146	2.8	9,560	4.82	461	15	76	-155	+.08	+1	-4
C9-01-52 391246 536548 5-73				52,55,63	42		9,737	4.72	460						
500836 CURTISS CANOY PETER PAN.....*	33-03	120	2	25-21,23,	163	2.4	8,151	4.66	380	31	90	-865	-.01	-41	-60
C1-25-53 346065 778404 5-73				32,34,35	15		9,021	4.69	423						
503098 WANDAMERE ROYAL MASTER.....*		7	11	3-87,91,	31	2.2	7,671	4.71	361	15	44	-235	+.02	-9	-15
C4-21-53 488455 981844 5-73				92	12		8,013	4.69	376						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HO	STATES WITH MOST DAUS	DAUS	REC/DAU HM/DAU	MILK HERDMATES	%	MILK %	FAT	% 1ST INC	% REPT	PREDICTED DIFFERENCES MILK	%	FAT	$$
503099 WANDAMERE PREDICTOR.....*	21-01	70	6	11-12,16,	116	3.1	10,443	4.38	457	16	82	+202	-.25	-16	-7
04-30-53 474647 1200471 5-73				21,63,74	17		10,217	4.70	480						
503449 HOMINY HILL COLONEL.....*		13	15	2-41,47	45	3.1	10,226	4.55	465	8	50	+123	-.04	+2	+5
04-12-53 431647 839586 5-73					16		9,976	4.63	462						
503571 MCDONALD FARMS FINE SHERIFF...*		3	38	1-52	44	3.4	8,651	4.66	403	**	33	-82	-.04	-8	-9
06-22-52 457535 1256725 5-73					12		8,780	4.86	427						
504474 GOLDEN GRANGE IDEAL STARLIGHT.	41-25	83	5	9-35,41,	198	2.8	9,199	4.57	420	13	89	+15	-.12	-11	-9
11-09-52 424343 1032094 5-73				43,47,48	11		9,088	4.73	430						
504556 EDISTO FARMS PRINCES SARGON...*	52-01	64	5	7-23,52,	168	2.6	8,995	4.55	409	16	88	-45	-.13	-15	-14
04-15-53 480378 1222143 5-73				54,55,57	18		8,938	4.73	423						
505627 WOODACRES FORE MAHOMET.....*		16	12	3-31,33,	37	3.2	9,126	4.94	451	**	49	-353	+.06	-10	-19
10-23-52 473782 1107019 5-73				54	13		9,833	4.84	476						
506124 QUAIL ROOST MAJESTY LAIRD.....*		3	13	1-48	18	2.1	9,154	5.27	482	**	28	+29	+.04	+5	+5
06-16-53 396029 1313559 5-73					6		8,940	5.19	464						
506673 CURTISS CANDY BARB CURTISS....*	33-03	66	3	23-14,21,	107	3.0	9,412	4.41	415	9	84	+188	-.16	-8	-1
10-31-53 459932 1003638 5-73				23,35,72	17		9,096	4.63	421						
506916 LAKE LOUISE KINGS NOBLEMAN....*	35-05	94	5	10-35,41,	200	2.7	9,975	4.65	464	17	89	+65	-.07	-4	-1
04-24-52 428861 1273425 5-73				42,91,92	18		9,888	4.75	470						
507001 IDEALS MARINE.....*		2	41	2-23,58	45	2.9	8,538	4.50	384	17	31	-94	-.05	-9	-10
12-16-52 348362 764097 5-73					21		8,711	4.73	412						
507009 WELCOME IN CLARA DESIGN.....*		23	6	10-16,21,	53	3.1	10,038	4.66	468	9	69	+202	-.03	+6	+11
08-21-53 426335 1026979 5-73				31,32,61	18		9,711	4.73	459						
507256 DINSMORE MARINER.....*		7	107	1-58	178	3.0	6,889	4.46	307	**	43	-270	+.05	-8	-15
06-01-53 376230 1204840 5-73					168		7,250	4.33	314						
507894 CROSS ARROWS ROSE KING.....*		6	6	2-56,58	19	3.7	9,041	4.63	419	0	45	-151	+.03	-4	-8
07-28-53 483917 1515032 5-73					23		9,310	4.59	427						
508086 CRAIGWAY CURTISS GORDON.....		22	3	3-35,41,	35	2.4	9,154	4.92	450	25	65	-190	+.13	+4	-2
11-07-53 454483 1391508 5-73				42	9		9,385	4.71	442						
508413 SKYLINE LES VICTOR.....*	42-02	20	10	2-42,47	58	2.4	9,269	4.82	447	**	53	-195	+.08	-1	-7
07-20-53 483717 1394175 5-73					10		9,531	4.71	449						
508905 ALFALFA FARM SPECULATION.....*		2	22	1-14	44	3.8	10,494	4.88	512	12	43	-245	+.06	-5	-12
12-12-53 484917 940876 5-73					26		11,179	4.76	532						
508953 WESTERN GLOW DUTCH BOY.....*		5	5	2-82,91	14	3.0	9,020	4.50	406	**	38	-203	-.01	-10	-14
12-26-53 455116 1248373 5-73					13		9,506	4.54	432						
509552 CLA DRE COUNTS JASPER.....*		5	4	3-86,91,	10	3.3	10,399	4.91	511	14	32	-98	+.15	+10	+5
08-27-53 455912 976142 5-73				92	39		10,781	4.46	481						
509582 DINSMORE ACTOR SOVEREIGN.....*		8	83	2-57,58	115	2.8	5,985	4.63	277	**	38	-395	+.07	-11	-21
09-09-53 457016 947374 5-73					136		6,735	4.37	293						
510214 HAZELWOOD HIGH ZENITH.....*	93-16	20	17	2-86,93	144	3.0	11,784	4.51	532	8	74	+511	-.09	+14	+27
04-29-53 452071 764787 5-73					28		11,216	4.63	519						
510893 DONNA MARIE ALEXANDER.....*		4	4	1-92	10	3.1	8,672	5.21	452	**	32	-242	+.10	-1	-8
10-10-53 474933 1156350 1-73					35		9,359	4.90	459						
511205 WESTERN GLOW BUTTERFAT TRAVLER*	35-02	68	3	11-11,14,	104	3.1	9,452	4.66	441	7	84	-227	-.04	-14	-18
10-27-53 455116 1160645 5-73				21,35,91	17		9,701	4.72	458						
511404 FOREMOST J CS SUPER.....*		9	38	3-73,74,	93	2.8	9,081	4.24	410	**	50	+29	-.04	-3	-2
12-04-53 390760 858543 5-73				85	61		9,577	4.31	413						
511627 PRESTDALE SON VICTOR.....*	92-01	89	5	7-41,82,	185	2.6	10,114	4.49	454	12	89	+64	-.14	-11	-7
02-05-54 496783 1381217 5-73				87,91,92	14		10,044	4.66	468						
512340 NYALA PRINCES PROUD LAD.....*		4	13	1-16	27	4.2	7,345	5.08	373	0	42	-373	+.10	-8	-18
12-05-53 389915 1134066 5-73					16		8,047	4.82	388						
512387 RAEMELTON LEVITY NEPTUNE.....*		3	16	2-31,33	42	3.3	9,090	4.50	409	22	48	-100	-.03	-8	-10
04-09-54 355090 1236814 5-73					8		9,221	4.60	424						
512746 BAYVILLE GENERAL LADDIE.....*		5	32	3-23,55,	53	3.5	7,897	5.34	422	16	40	-371	+.08	-9	-19
01-13-54 337933 657113 5-73				56	35		8,691	5.12	445						
512974 HENSLEE FARMS V FAME.....*	33-03	862	15	46-21,23,	2,705	2.4	9,992	4.48	448	16	98	+66	-.12	-9	-5
02-07-54 458786 1408844 1-73				32,35,65	53		9,913	4.62	458						
513356 QUAIL ROOST SUPER HERALD.....*		6	23	3-55,57,	35	3.2	6,193	4.55	282	**	37	-311	+.04	-10	-18
07-14-54 497282 879231 5-73				58	147		6,714	4.38	294						
514674 TABBELL BARON ROMULUS.....*		2	18	2-23,52	25	3.2	8,554	4.66	399	**	33	+24	-.02	-1	0
03-18-54 331204 1306606 5-73					14		8,310	4.79	398						
515197 WYNO MASTER BRUCE.....*		4	4	2-52,86	11	2.2	8,957	4.59	411	29	32	+41	+.01	+3	+4
06-27-54 489455 1185252 5-73					20		8,694	4.55	396						
516115 MCDONALD FARMS PRE SAINT NICK.*	51-02	74	3	6-23,51,	143	2.6	9,012	4.77	430	**	88	+76	.00	+4	+6
12-25-53 293925 1248251 5-73				52,54,55	19		8,804	4.78	421						
517302 NYALA PRINCES SUPERB.....*		7	41	3-16,21,	89	3.0	11,127	4.46	496	15	47	+196	-.07	+2	+8
03-21-54 389915 1107872 5-73				23	23		10,789	4.60	496						
517800 FOREMOST FOOTPRINTS TOPMOST...*		3	17	2-43,72	27	4.6	8,268	4.90	405	5	38	-166	+.06	-2	-7
10-26-54 351131 912461 5-73					13		8,562	4.77	408						
517801 CLA DRE MASHERS JOSE.....*	41-25	48	3	8-35,41,	82	2.9	9,323	4.85	452	0	82	-64	+.06	+3	+1
10-12-54 449635 1323961 5-73				42,82,86	12		9,333	4.79	447						
517838 LAKE LOUISE ROYAL SUPERB.....*	23-08	88	5	7-21,23,	106	3.0	9,353	4.74	443	18	88	-143	+.02	-5	-8
10-25-54 452201 1366995 5-73				35,50,51	18		9,450	4.75	449						
518410 LAKE LOUISE KINGS AMBITION....*	23-04	17	2	3-14,23,	26	2.9	9,427	4.90	462	25	59	-146	+.07	0	-4
05-10-54 428861 950680 5-73				33	18		9,639	4.79	462						
518887 GRAY HAVEN JESTERS CONSTANT...*		3	15	1-31	22	4.5	9,632	5.25	506	0	35	-117	+.08	+3	-1
10-24-54 499077 1253937 5-73					8		9,967	5.03	501						
519147 NORMANOY STEADFAST.....*		7	2	3-32,35,	13	2.1	7,786	4.65	362	0	39	-340	+.05	-11	-19
12-15-54 453207 896973 5-73				72	41		8,500	4.53	385						
519446 B H DOUGLAS OF CEDAR MANOR....*		1	15	1-48	15	2.3	7,469	5.23	391	**	24	-278	+.05	-8	-15
11-25-54 494828 1395680 5-73					38		8,471	5.03	426						
519472 ARGILLA BRIGHT STARS BRUTUS...*	21-10	57	5	7-12,13,	155	2.7	9,275	4.67	433	18	87	-207	+.05	-5	-10
02-23-55 391470 1092039 5-73				14,21,23	14		9,458	4.62	437						
519535 CIRCLE DRIVES L P PROFESSOR...*		5	7	2-21,32	25	1.6	9,490	4.58	435	**	43	+34	-.03	-1	0
11-23-54 333511 954658 5-73					24		9,341	4.67	436						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEIFERS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEIFERMATES ... DAUS REC/DAU HM/DAU	HEIFERMATE	MILK	%	FAT	1ST REPT INC	%	PREDICTED DIFFERENCES MILK	%	FAT	$$
520C89 MCDONALD FARMS LE VAROEN.....	41-25	59	4	6-35,41,	125	2.4	8,179	4.74	388	21	85	-716	+.01	-32	-48
C3-12-54 423199 814784 5-73				45,47,48	11		8,917	4.74	423						
520745 YELLOW CREEK BUTTERFAT CLAIR..*	93-10	10	7	3-32,86,	32	2.7	9,297	4.80	446	**	54	-256	+.07	-5	-12
C3-20-55 481593 1327656 5-73				93	26		9,746	4.68	456						
520913 GRAYSMARSH O CHARMER.....*		8	6	3-23,92,	20	2.6	8,127	5.23	425	0	44	-568	+.12	-15	-30
11-07-54 500854 1118813 5-73				93	25		9,346	4.93	461						
521C54 COLBYS LANCELOT.....*		2	19	2-31,34	21	4.6	9,814	4.48	440	13	31	+95	-.07	-3	0
C3-31-55 430189 1403079 5-73					10		9,447	4.80	453						
521C86 FAIRLAWN ACTORS JETHRO.....*		18	28	8-11,14,	137	2.0	9,900	4.53	448	13	63	+139	-.06	0	+4
C1-31-55 322785 1398610 5-73				56,58,64	41		9,642	4.64	447						
521188 HAMHURST BAYAROS FORWARD.....*		9	8	4-52,56,	30	2.9	9,824	5.18	509	**	50	-4	+.20	+20	+16
C2-25-55 467398 1324271 5-73				63,92	21		9,813	4.78	469						
521383 FAIRLAWN ACTORS VALIANT.....	11-01	76	4	1-11	169	2.6	9,530	4.72	450	13	89	+109	+.01	+6	+8
C3-17-55 322785 1406701 5-73					10		9,338	4.72	441						
522338 MEADOWMARSH MAY ROSE GENERAL..*	91-01	46	4	5-82,86,	104	2.6	9,876	4.91	485	**	83	-193	+.15	+6	-1
C4-29-55 456502 933828 5-73				87,91,92	16		10,119	4.74	480						
522345 BURTON LANE STEADFAST BRIAN...*	33-01	40	3	3-32,33,	62	2.6	8,329	4.85	404	15	77	-708	+.05	-28	-44
C3-17-55 357051 941659 5-73				35	10		9,165	4.79	439						
522427 WALKER FARMS LE PI LEGEND.....*		4	7	2-65,72	15	2.4	8,626	4.74	418	**	33	-363	+.07	-10	-19
C8-10-55 491065 860296 5-73					33		9,917	4.55	451						
522448 IDEALS MARGOS STANDBEST.....*		1	17	1-52	17	3.4	8,862	4.83	428	**	25	-37	+.02	0	-1
C4-15-55 411872 1544649 5-73					35		8,898	4.79	426						
522508 GRANDVU MEL HOUDEANIE.....	91-11	28	14	5-23,33,	94	2.6	9,337	4.88	456	24	68	-355	+.09	-8	-17
C4-30-55 413927 986006 5-73				35,41,42	13		9,844	4.77	470						
522707 LANGHURST SUPREME REX.....		1	28	1-51	28	3.5	7,099	4.76	338	16	29	-283	+.02	-11	-18
C5-30-55 504758 915340 5-73					8		7,879	4.70	370						
523125 SUNNYMEDE HORNETS SENTRY.....*		4	25	1-43	54	2.7	10,346	4.73	489	**	46	+287	-.04	+9	+16
C6-08-55 396936 1192557 5-73					13		9,680	4.86	470						
523189 MARTIN FARMS PREFECTION.....*		1	29	1-93	29	1.5	8,039	5.16	415	33	24	-444	+.07	-14	-25
07-17-55 448099 1199690 1-73					79		9,851	4.87	480						
523664 HOLCOMBS N AL.....*		3	10	1-21	20	4.6	9,461	4.37	413	6	40	-274	-.07	-19	-24
08-29-55 440675 1237207 5-73					19		10,171	4.55	463						
523858 PRE EMINENT BUTTERFAT ACE.....*		10	1	4-33,43,	11	2.9	8,822	4.69	414	**	42	-444	+.09	-12	-23
C7-19-55 493764 1290354 5-73				73,84	38		9,853	4.50	443						
523866 BEN VENUE MARCUS.....*		10	15	5-16,52,	52	2.9	9,929	4.63	460	23	54	+268	+.03	+15	+20
12-15-55 391988 1422701 5-73				56,63,72	34		9,363	4.57	428						
524138 FOREMOST FOOTPRINTS ACME.....*	72-01	2	17	2-43,72	19	3.2	10,103	4.30	434	**	28	+9	-.06	-6	-5
C8-31-55 351131 1316651 5-73					8		10,077	4.56	460						
524657 HOMINY HILL MASCOT.....*		6	25	2-86,93	49	3.6	11,092	4.60	510	0	43	-205	-.04	-13	-17
C2-02-56 431647 1433931 5-73					78		11,739	4.69	551						
524749 MCDONALD FARMS ROYAL WINTHROP.		12	2	7-13,32,	17	2.8	9,598	5.00	480	15	52	-9	+.13	+13	+10
06-13-55 470604 1106764 5-73				34,35,41	15		9,571	4.74	454						
524931 SHANTITUCK BENS REX.....*		3	10	2-35,48	14	2.2	8,303	4.88	405	**	23	-139	+.06	0	-4
C9-21-55 493052 1118997 5-73					14		8,673	4.65	403						
526073 QUAIL ROOST SUPER KING.....*		6	86	1-58	159	2.8	6,819	4.06	277	**	45	-406	-.08	-25	-34
C4-10-56 497282 1095072 5-73					192		7,472	4.34	324						
526495 LAUXMONT OANOY.....*		5	63	1-55	71	3.5	9,768	4.73	462	7	34	+44	+.02	+4	+5
C4-15-56 510148 1399617 5-73					37		9,595	4.68	449						
526646 OUNWALKE BUTTERFAT FORTUNE....*	63-02	17	8	5-22,23,	64	2.3	10,096	4.69	474	25	67	0	+.03	+3	+2
02-25-56 493764 1420996 5-73				32,57,63	16		10,104	4.66	471						
526876 BROWNIES FARMS JNWARO.....*		9	5	1-92	19	2.4	10,200	4.65	474	8	44	+109	-.03	+2	+5
03-31-56 514272 1581488 5-73					13		9,944	4.74	471						
527223 BAYVILLE GENERAL MARLBORO.....*		6	53	2-23,58	91	2.8	6,392	4.55	291	**	41	-384	+.07	-11	-21
C2-15-56 337933 809234 5-73					152		7,021	4.33	304						
527391 HERMITAGE VIEW S KING.....*		3	40	2-61,63	54	4.5	7,844	4.87	382	0	37	-228	+.07	-4	-10
01-12-56 411316 1302222 5-73					18		8,288	4.67	387						
527545 FAIRLAWN ACTORS COUNT.....*		13	11	5-65,71,	42	1.4	8,405	4.53	381	13	48	-59	+.01	-2	-3
C2-01-56 322785 1368850 5-73				72,73,74	21		8,364	4.52	378						
527790 LAUREL MILLS HAROWICK.....*		2	25	1-51	29	3.1	8,872	4.70	417	11	31	-9	.00	0	0
04-13-56 509784 1003060 5-73					12		8,781	4.70	413						
527799 FINCHS LA FAYETTE.....	35-21	63	4	3-34,35,	139	3.3	9,522	4.63	441	8	87	+74	-.05	-2	+1
03-29-56 430189 1145914 5-73				72	15		9,372	4.73	443						
527801 HOLLIKNOLL CHALLENGER.....*	52-01	58	13	6-33,51,	196	2.5	9,533	4.79	457	12	82	-64	+.05	+2	0
05-20-56 508604 855998 5-73				52,55,58	18		9,566	4.75	454						
527890 MCDONALD FARMS LE WILTON.....*		7	14	2-21,52	41	3.8	10,692	4.70	503	3	51	+174	-.01	+7	+11
C5-13-55 423199 1361629 5-73					14		10,387	4.75	493						
528119 WESTERN GLOW CORONATION KING..*		21	5	4-31,84,	56	3.0	10,342	5.00	517	14	70	-177	+.21	+13	+5
03-16-56 428861 1361624 5-73				85,91	13		10,658	4.72	503						
528198 NORTHERN ANNAS ADMIRAL.....*		14	9	9-15,22,	31	2.5	10,535	5.08	535	10	49	-56	+.11	+8	+5
05-06-56 452274 1344800 5-73				23,35,58	75		10,721	4.89	524						
528420 OSBORNE HILL LODEMASTER.....*		7	28	2-23,51	66	3.1	11,232	4.81	540	10	48	+136	+.05	+11	+13
C6-18-56 436604 1365001 5-73					13		11,048	4.74	524						
528540 SADDLEBACK ROYAL.....*		3	8	3-13,14,	11	2.1	9,210	4.68	431	33	27	-5	-.02	-2	-2
C3-12-56 502280 874609 5-73				16	23		9,144	4.80	439						
528762 ROSEWOOD BEA FLASH.....*	31-02	6	3	1-71	15	4.2	8,971	4.36	391	0	46	-108	-.06	-11	-12
C3-30-56 498183 1025012 5-73					8		9,119	4.53	413						
528838 VALJRIES LADY.....*		7	5	4-23,48,	25	2.4	8,805	4.62	407	**	49	-190	+.01	-8	-12
C1-24-56 510400 1381151 5-73				74,85	17		9,098	4.64	422						
529788 DINSMORE MAYROYAL PEER.....*		7	46	3-16,58,	67	2.9	6,851	4.34	297	**	38	-194	.00	-9	-13
07-25-56 376230 1100070 5-73				72	154		7,074	4.37	309						
529852 FRANCHESTER MODELS DICTATOR...*		7	29	2-31,32	40	2.8	9,114	4.87	444	21	35	-205	+.07	-3	-9
C7-09-56 506459 798971 5-73					7		9,677	4.70	455						
530132 CASTLE BROOK LEADERS LEGACY...*	65-02	11	4	4-23,63,	28	3.6	8,605	4.40	379	20	58	-39	-.04	-6	-6
11-25-56 383832 1288825 5-73				65,72	18		8,523	4.49	383						

REGISTRATION NUMBER / NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HO	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS	REC/DAU	MILK HM/DAU	% HEROMATE	MILK %	FAT %	FAT INC	%	MILK	%	FAT	$$
530211 DEEP LAKE D HOLLIKING.....*	21-10	47	5	9-13,14,	125	2.7	10,014	4.88	489	27	85	-126	+.17	+11	+5
C7-19-56 522027 1325646 5-73				16,21,57	24		10,180	4.69	477						
530280 CLEARBRANCH F M HORNET.....*		3	28	2-56,57	32	3.2	10,150	4.54	461	8	31	+44	-.06	-4	-2
C7-03-56 538418 951889 5-73					75		10,008	4.79	479						
530378 CLEVERLANDS ZOES GENERAL.....*		6	47	2-86,93	100	2.9	13,004	4.29	558	3	47	+261	-.07	+5	+12
C3-16-55 390340 989592 5-73					91		12,720	4.39	558						
530460 LYRENE EMORYS BEN.....*		8	11	3-31,33,	25	3.1	10,303	4.85	500	17	41	-147	+.03	-4	-8
C5-20-56 460803 1065661 5-73				34	26		10,731	4.82	517						
530529 EDICK PATRICK.....*		2	14	2-51,93	16	3.9	8,534	4.44	378	18	28	-101	-.03	-8	-10
C7-15-56 491438 1351380 5-73					18		8,743	4.62	404						
530685 NELSON FARMS DUKE.....*		4	11	2-51,55	23	3.4	9,826	4.73	465	**	40	+244	+.05	+16	+21
C1-25-56 505893 1130567 5-73					19		9,120	4.61	420						
530735 NORTHERN M REPORTER.....*		1	26	1-31	26	3.2	10,845	4.56	488	29	28	+43	-.03	-1	0
12-08-56 464488 1659511 5-73					16		10,767	4.63	498						
531471 YELLOW CREEK S PRINCE.....*		1	19	1-32	19	2.2	16,310	5.17	533	35	25	-136	+.04	-2	-6
C9-14-56 475595 1388019 5-73					8		10,947	5.05	553						
531473 YELLOW CREEK S TRAVELER.....*	31-02	136	12	16-31,32,	465	2.0	9,703	4.69	455	21	92	-515	+.10	-14	-27
12-09-56 475595 1420891 5-73				34,56,72	39		10,292	4.60	473						
531514 WYNO SAINTS REX.....*	23-02	32	9	1-23	92	2.7	8,883	4.86	432	17	74	-192	+.09	0	-6
C8-29-56 429156 1275760 5-73					12		9,044	4.75	430						
531690 NORTHERN A JOETTAS UNIVAC.....*		2	60	2-15,52	62	2.9	8,758	4.77	418	11	30	-36	+.01	-1	-2
02-16-57 452274 1483420 5-73					39		8,754	4.79	419						
531805 TIDELAND LUDLOWS LIBERATOR....*		8	15	5-22,63,	28	3.9	11,724	4.35	510	14	40	+455	-.09	+12	+24
C1-23-56 469730 1212438 5-73				86,91,92	36		10,648	4.52	481						
531892 HOMINY HILL KNIGHT.....*		1	15	1-23	15	2.6	9,811	4.82	473	23	24	+39	+.03	+5	+5
10-23-56 422711 1270600 5-73					15		9,608	4.70	452						
531996 MULHOLLAND BUTTERFAT ASSURANCE*	22-03	24	2	4-22,23,	35	3.3	8,479	5.01	425	7	68	-556	+.15	-11	-26
C9-21-56 431323 738836 5-73				51,58	20		9,220	4.77	440						
532473 TORREY FARM SUPERIOR.....*		4	3	1-35	13	3.7	9,823	4.85	476	17	40	-43	+.02	0	-1
12-09-56 448080 1583751 5-73					15		9,926	4.85	481						
533016 WESTERN GLOW F L BUTTERFAT....*		5	10	1-91	28	3.0	11,213	4.66	523	17	45	+233	-.08	+3	+10
C2-27-57 522682 1361624 5-73					18		10,770	4.85	522						
533094 SUPERIOR OF GLENBURNIE.....*		5	48	2-23,51	56	3.1	10,200	4.65	474	16	33	-28	-.01	-2	-2
C2-08-57 496929 1356507 5-73					35		10,319	4.69	484						
533312 IDEALS LUMINARY.....*	11-01	64	16	7-11,13,	187	2.6	9,430	4.72	444	26	80	-358	+.04	-13	-22
02-27-56 452274 1329093 5-73				14,16,33	16		9,832	4.69	461						
533470 NORMANOY IMPERIALIST.....*	41-25	82	6	10-41,42,	188	2.4	9,261	4.57	423	23	88	-312	-.09	-23	-28
06-05-56 453207 1416387 5-73				43,47,48	11		9,573	4.69	449						
533596 SANS SOUCI BOND VICTOR.....*		2	26	1-93	28	2.1	9,396	4.95	465	0	28	-163	+.04	-4	-8
C4-07-57 490232 1308787 5-73					83		9,988	4.86	485						
533753 ULLIMAC PHILS GEORGIE.....		2	19	1-93	38	1.5	10,456	4.63	484	0	37	-24	+.03	+2	+1
02-22-57 423085 1565563 5-73					40		10,579	4.55	481						
533757 OINSMORE MAYROYAL PHILOSOPHER.*		3	31	1-58	42	2.7	6,696	4.32	289	**	35	-314	.00	-14	-21
02-09-57 376230 1273695 5-73					185		7,335	4.34	318						
533933 FLO RAYS SU HIGH POWER.....*		4	20	1-43	42	2.5	8,962	4.97	445	**	43	-472	+.08	-14	-26
C3-05-57 510955 1553033 5-73					13		10,055	4.79	482						
533943 LAKE LOUISE CEDARS COUNT.....*		14	17	6-33,63,	59	3.1	9,968	4.58	457	11	55	-81	-.07	-11	-11
02-23-57 514782 1366995 5-73				82,91,92	17		10,128	4.75	481						
533999 MEADOW LANE PREMIER.....*		6	9	2-34,48	24	2.1	9,148	4.83	442	18	40	-406	+.02	-17	-26
C1-19-57 495262 742062 5-73					9		10,182	4.81	490						
534079 VILLA WAY ROSS.....*		3	11	2-31,32	15	4.3	16,459	4.60	482	**	30	+297	-.02	+12	+19
11-28-56 519683 911662 5-73					11		9,413	4.67	440						
534362 GUERNSOEL MAXIM KARL.....*		6	24	5-21,51,	33	2.7	9,553	4.91	469	21	34	-291	+.07	-7	-15
01-27-57 435793 1194322 5-73				52,56,58	35		10,460	4.73	495						
534484 ALFALFA FARM HAPPY DAYS.....*		1	13	1-14	13	3.7	10,829	4.69	508	23	24	+35	-.04	-2	-1
02-11-57 522063 1499282 5-73					33		10,757	4.89	526						
534519 CLOVERDALE SOCIAL DORMAN.....*	93-16	10	49	6-21,31,	83	1.9	10,812	4.77	516	11	39	-61	+.10	+7	+4
C4-09-57 419221 1327334 5-73				86,87,93	187		11,076	4.54	503						
534613 WARDELLS BRICKTON CHAMPION....*	23-11	23	25	5-22,23,	123	2.5	9,278	4.56	423	12	64	-304	-.09	-23	-28
02-15-57 422711 1521205 5-73				31,51,58	33		9,724	4.73	460						
534614 DEERPATH MAXS GOLDMINE.....*		7	44	5-52,55,	55	2.8	10,614	4.52	453	20	34	-94	-.08	-12	-13
C1-07-57 440652 1038767 5-73				56,57,63	27		10,326	4.80	496						
534625 NORTHERN J CAPTIN.....*		2	14	1-15	19	3.0	7,410	4.84	359	**	31	-438	+.06	-14	-25
C7-12-57 519627 779892 5-73					13		8,689	4.62	401						
534677 CLIMAXS SELECTS OLIVER.....*		1	10	1-48	10	2.4	7,231	5.13	371	**	22	-291	+.01	-12	-19
C4-10-57 395262 1532989 5-73					41		8,377	5.06	424						
534976 GOLDEN GRANGE IDEAL VANGELINE.*	61-02	46	4	10-23,31,	86	2.6	9,633	4.56	439	10	80	-90	-.03	-7	-8
C8-20-55 424343 1103034 5-73				32,33,61	15		9,716	4.60	447						
535275 GOLDEN HARVEST K MAJOR.....*	31-01	14	3	1-31	24	2.9	9,460	4.82	456	11	56	-72	+.04	+1	-1
05-23-57 329134 1408176 5-73					10		9,540	4.75	453						
535338 WESTERN GLOW MARYANNS TRAVELER*	35-02	85	3	10-35,64,	152	3.0	10,000	4.49	449	16	89	+76	-.18	-15	-10
C5-16-57 522682 1140664 5-73				81,82,91	17		9,910	4.71	467						
535568 HOMEACRES BETSYS STANDBEST....*		4	25	2-52,55	34	3.0	9,328	4.23	395	14	34	+67	-.05	-2	0
C9-30-57 522351 1634957 5-73					9		9,032	4.38	396						
535688 WESTLYNN B COAST KING.....*	41-25	56	8	10-41,42,	130	2.3	9,447	4.68	442	23	81	-511	-.05	-28	-38
C8-17-57 496783 1029751 5-73				43,45,92	20		10,088	4.76	480						
535716 PUSHCREEK BEAUTY HERO.....*		3	20	2-34,61	24	3.3	8,459	5.02	425	**	31	-245	+.09	-2	-9
C7-11-57 496474 1506174 5-73					8		9,178	4.70	431						
535854 BLUFF VIEW SATIRE.....*		5	32	1-48	39	2.7	9,125	5.13	468	23	33	-199	+.06	-3	-8
10-03-57 515675 1315237 5-73					15		9,703	4.98	483						
535968 DENNY DALE DONS BUSTER.....*		5	7	3-82,84,	18	2.9	10,434	4.64	484	0	38	-131	+.02	-4	-7
C3-17-57 359246 1321929 5-73				91	17		10,856	4.61	501						
536120 I C ROSEWOOD ROYAL IRISHMAN...*	72-01	12	12	1-72	46	2.9	10,107	4.16	420	9	55	+434	-.18	+1	+14
C7-02-57 473218 1193761 5-73					92		9,246	4.48	414						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS HM/DAU	REC/DAU HERDMATE	MILK	% FAT	FAT	1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
536121 ROSEWOOD BEA LEADER.....*		2	10	1-33	12	4.7	11,714	4.93	577	8	28	-50	+.02	0	-2
09-10-57 498183 1006627 5-73					25		12,104	4.89	592						
536182 ROBERTS FARM ROYALS PEER.....*	91-11	45	22	15-16,31,	167	2.8	10,464	4.56	477	16	74	+5	-.08	-8	-6
07-29-57 438330 1459003 5-73				33,35,42	22		10,505	4.69	493						
536281 EDISTO FARMS 8 JUPITER.....*		1	22	1-56	22	3.6	7,598	4.66	354	11	28	-154	+.03	-4	-8
07-31-57 502281 1662061 5-73					10		7,943	4.53	360						
536609 NORGERTS QUANTITYS ROYAL OUKE.*	33-02	25	7	5-33,43,	74	2.7	9,770	4.63	452	12	73	+6	.00	0	0
11-19-57 473218 1170693 5-73				57,65,85	31		9,733	4.65	453						
536655 FAIRLAWN S RENOWN.....*	23-07	39	5	5-11,14,	93	2.6	8,822	4.59	405	18	80	-213	-.12	-22	-24
05-15-57 515262 1222142 5-73				21,23,85	18		8,985	4.79	430						
536658 FAIRLAWN LINARIAS WARRIOR.....*	93-02	16	93	6-31,84,	135	1.9	10,886	4.69	511	**	37	+61	+.03	+6	+7
08-11-57 473833 1265185 5-73				86,91,93	186		10,796	4.61	498						
536761 MCDONALD FARMS RIVAL ADMIRAL..*		5	31	2-23,57	53	2.7	9,224	4.62	426	28	39	-140	-.03	-9	-12
07-06-57 493168 1657886 5-73					20		9,531	4.73	451						
536883 COLBYS MAGARS GENTLEMAN.....*		3	72	2-56,64	76	3.5	9,371	4.49	421	12	32	-86	+.01	-3	-5
07-15-57 440484 1144593 5-73					30		9,599	4.48	430						
536974 PRESTOALE BON CHAMPION.....*		1	43	1-42	43	3.9	10,850	4.80	521	13	31	+97	+.02	+7	+9
11-23-57 496783 1371359 5-73					14		10,591	4.74	502						
536977 PRESTOALE VICS REX.....*	93-05	11	20	4-86,91,	50	3.2	10,564	4.46	471	12	47	+173	-.01	+7	+11
01-06-58 511627 1613591 5-73				92,93	21		10,211	4.47	456						
537047 CLA ORE KNIGHTS BRAD.....*	92-01	19	2	2-91,92	26	2.5	9,244	4.89	452	7	61	-317	+.14	-1	-10
07-02-57 413580 852100 5-73					19		9,739	4.66	454						
537169 SHAMROCK MARVELS WESTERNER....*	93-02	4	9	2-85,93	14	1.6	10,533	4.78	503	**	28	-77	+.06	+2	-1
07-20-57 504087 1416512 5-73					207		10,897	4.57	498						
537252 FLYING HORSE ROSEMARY MASTER..*		5	14	3-22,23,	33	3.3	10,163	4.96	504	17	45	-83	+.10	+6	+2
08-28-57 428378 9345G8 5-73				58	26		10,385	4.77	495						
537399 MCDONALD FARMS JOLLY APOLLO...*		15	39	3-47,48,	121	2.5	8,699	4.97	432	12	55	-232	+.11	0	-7
11-11-57 439587 1516749 5-73				84	20		9,024	4.78	431						
537401 MCDONALD FARMS MISTER ANTON...*	35-05	68	19	7-31,32,	197	2.5	9,724	4.96	482	14	73	-97	+.18	+13	+8
07-19-57 488786 1328089 5-73				35,41,42	15		9,831	4.73	465						
537680 LYRENE MYRAS WISTAR.....*	61-02	148	8	16-23,31,	496	2.1	10,951	4.64	508	12	94	+620	+.01	+30	+43
07-29-57 470256 1540439 5-73				33,34,61	17		10,321	4.63	478						
537771 OENNY OALE LORENS BUILDER.....*	93-05	19	9	4-86,91,	53	2.5	11,325	4.52	512	12	62	-48	-.01	-3	-4
07-05-57 457224 1652239 5-73				92,93	21		11,556	4.53	524						
538103 CONOVERS MAXIM HELIOS.....*		3	49	3-22,23,	55	3.2	9,329	4.95	462	10	32	-4	+.03	+3	+2
03-24-58 527889 1572801 5-73				58	78		9,267	4.88	452						
538136 MARFREO PRINCE VALOR.....*		1	12	1-56	12	4.2	8,693	4.46	388	0	25	+7	.00	0	0
02-23-58 492769 1404530 5-73					18		8,515	4.49	382						
538680 IDEALS PARAMOUNT.....*		6	23	6-16,22,	34	2.5	10,650	4.95	527	13	34	-72	-.01	-4	-5
10-25-56 448080 1544652 5-73				23,52,55	129		10,955	5.01	549						
538787 WESTERN GLOW ROYAL HONOR.....*		3	5	2-31,58	13	2.2	9,636	4.76	459	38	34	-25	+.01	0	-1
05-01-58 492616 868179 5-73					9		9,677	4.73	458						
538850 BEN VENUE MIRIAMS SUPERIOR....*		5	18	3-23,52,	32	2.8	9,634	4.52	435	11	38	+32	-.02	-1	0
03-29-58 448080 1359139 5-73				72	42		9,498	4.60	437						
538986 SHAMROCK L HORNET.....		3	19	2-31,86	23	1.1	11,639	4.12	479	**	25	-95	.00	-4	-6
C9-09-57 484067 1575202 5-73					113		12,252	4.11	503						
538992 MAPLE LEAF LEADER.....*		3	10	1-41	14	2.4	8,291	4.76	395	0	27	-154	+.01	-6	-10
09-23-57 498562 932936 5-73					11		8,739	4.75	415						
539076 LEVEL GREEN JANETS VICEROY....		1	14	1-35	14	4.2	8,987	4.61	414	0	27	-163	-.03	-10	-13
C1-28-58 455056 1581448 5-73					5		9,555	4.77	456						
539095 SPRING RIDGE VERITYS MATADOR..*		1	34	1-33	34	3.1	9,125	4.88	445	29	28	-152	+.03	-4	-8
03-10-58 474583 1281517 5-73					13		9,637	4.81	464						
539136 NORGERTS ROYAL BETTINO.....*		2	25	2-33,42	29	3.5	9,012	4.48	404	4	32	-99	-.04	-9	-10
02-12-58 473218 1269676 5-73					16		9,247	4.68	433						
539269 ELMWOOD HECTOR.....*		3	23	1-35	27	3.5	9,357	5.03	471	5	31	-177	+.09	+1	-5
01-09-58 428643 1586965 5-73					19		9,913	4.73	469						
539419 WYND SAINTS HERO.....*	33-03	191	5	33-23,33,	385	2.4	10,609	4.46	473	18	94	+301	-.13	0	+9
11-02-57 429156 1482000 5-73				35,43,56	30		10,319	4.60	475						
539431 EDISTO FARMS M JUDGE.....*		9	23	1-56	45	2.5	8,284	4.42	366	7	40	-89	-.04	-8	-9
02-08-58 475070 1309177 5-73					21		8,340	4.54	379						
539442 COLBYS BRANDYWINE MAGAR.....*		2	35	1-23	37	3.6	10,729	4.90	526	0	31	+359	+.01	+18	+26
11-28-57 493542 1581053 5-73					20		9,512	4.91	467						
539455 LISETER BRILLIANT FLASH.....*		6	21	2-23,51	32	2.4	9,292	4.49	417	**	35	-11	-.03	-4	-4
11-15-57 499468 1544105 5-73					22		9,249	4.62	427						
539544 OINSMORE LEVITY KING.....*		5	63	1-58	110	2.6	6,996	4.50	315	**	42	-353	+.06	-15	-19
01-21-58 527223 1273695 5-73					201		7,597	4.30	327						
539710 HOMEWARD SUPREME JEWEL.....*		3	19	2-33,34	37	2.1	9,369	4.96	465	13	39	-176	+.06	-2	-7
10-26-57 475595 1296136 5-73					12		9,799	4.85	475						
539888 MALZ FARM STARLIGHTS TITUS....*		7	34	3-33,35,	47	1.9	7,791	4.94	385	43	33	-353	+.05	-11	-20
03-22-58 504474 832563 5-73				65	18		8,747	4.78	418						
540033 MCDONALD FARMS JOLLY BRILLIANT*		18	8	8-15,21,	49	2.6	10,273	4.99	513	21	61	-245	+.08	-3	-10
02-18-58 439587 1288237 5-73				23,35,51	29		10,750	4.89	526						
540247 HAWL JUN JORKEY N.....*		10	2	3-82,91,	12	3.1	9,432	4.48	423	**	43	-238	-.04	-15	-20
11-12-56 519763 1789632 5-73				92	13		9,981	4.62	461						
540259 RUSHCREEK SUPREMES LAD.....*	23-13	126	5	18-31,32,	307	2.1	10,257	4.66	478	13	93	+235	-.03	+8	+14
03-06-58 475595 806273 5-73				34,51,54	23		10,001	4.70	470						
540323 IDEALS CODY.....*		7	12	2-13,21	35	2.4	9,497	4.29	407	9	47	-327	-.18	-33	-37
06-08-57 527534 1233514 5-73					14		10,214	4.72	482						
540375 WILSONA GOLDEN BOY.....*		9	6	2-91,92	27	2.7	9,910	4.68	464	6	30	-152	+.03	-4	-8
C3-20-58 458063 1523250 5-73					29		10,235	4.64	475						
540502 DEEP LAKE FLASH KING.....*		8	6	4-56,58,	30	2.0	9,568	4.50	431	13	52	-88	+.01	-3	-5
C5-19-58 475548 1253180 5-73				72,73	58		9,705	4.48	435						
540668 HOMINY HILL PRIVATE.....*		5	33	2-73,85	52	2.6	8,433	4.21	355	11	38	-50	-.08	-10	-10
C4-27-58 422711 1505183 5-73					83		8,406	4.45	374						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HD	STATES NO- WITH MOST DAUS	DAUS	DAUGHTERS AND HEROMATES ... REC/DAU HM/DAU	HEROMATE	MILK	%	FAT	%	1ST LAT INC	REPT	PREDICTED DIFFERENCES MILK	%	FAT	$$
540669 HOMINY HILL TRANSPIRE.....*		29	15	10-22,23,	64	1.6		8,628	4.75	410	39	54		-627	+.06	-23	-38
05-29-58 453207 1011145 5-73				31,35,56	25			9,758	4.64	453							
540781 ALCHRIST D LAREDO.....*		2	12	1-41	18	3.6		8,198	4.53	371	0	33		-135	-.08	-14	-16
10-28-57 494434 1669109 5-73					6			8,449	4.68	412							
540802 CONOVERS MAXIM HOPNET.....*		2	35	2-22,51	37	3.7		9,665	4.89	473	5	31		+68	+.02	+5	+6
07-25-58 527889 1004012 5-73					75			9,382	4.88	458							
540878 COLBYS KLIMAX.....*		2	25	1-34	27	3.6		9,517	4.78	455	13	30		-83	+.04	0	-3
01-30-58 493542 1328181 5-73					11			9,769	4.70	459							
541052 GOLDEN HARVEST KINGS VALOROUS.*		7	37	2-23,51	48	3.3		10,772	4.60	496	11	35		+200	-.03	+6	+11
05-06-58 467921 1054602 5-73					32			10,226	4.69	480							
541091 MAPLE DAWN WINDSORS FORCE.....*	34-01	39	9	5-32,34,	123	2.4		10,389	4.65	483	13	79		+222	-.06	+4	+10
03-12-58 523127 1699957 5-73				51,63,72	24			10,117	4.74	480							
541378 EDISTO FARMS M FRANCIS.....*		5	4	1-64	15	2.5		8,307	4.44	369	0	41		-177	+.01	-7	-11
05-05-58 475070 1186548 5-73					4			8,604	4.43	381							
541414 ELMWOOD DAIRYMAN TRIUMPH.....*		3	15	1-35	29	3.2		8,598	5.36	461	21	40		-253	+.11	-1	-8
05-25-58 526820 1639680 5-73					19			9,137	5.10	466							
541762 ELSVIEW FARM GENERAL.....*		4	13	1-23	28	2.9		9,641	4.81	464	8	41		-254	+.01	-11	-17
04-08-58 522338 1310545 5-73					27			10,290	4.84	498							
541713 BELLE LANE TUDORS VALOR.....*		1	14	1-33	14	2.8		8,465	4.94	418	9	25		-214	+.02	-8	-13
02-20-58 499861 946366 5-73					15			9,265	4.89	453							
541846 EAST MALTAS KELVIN.....*		4	12	1-23	29	2.7		7,961	4.85	386	19	42		-292	+.01	-12	-19
11-23-57 508048 1593060 5-73					21			8,512	4.83	411							
542269 WILLOW SPRING SUPREME VIC.....*	21-10	90	5	11-11,12,	220	2.2		10,078	4.65	469	22	90		+77	+.06	+10	+11
03-28-58 538021 932926 5-73				13,16,21	16			9,988	4.58	457							
542518 MATOAKA TIMOTHY.....*		2	66	2-52,58	68	2.2		10,277	4.23	435	13	29		-76	-.01	-4	-6
09-06-57 507000 1565076 5-73					65			10,599	4.26	451							
542530 CASTLE BROOK FORTUNES ACTOR...*	65-02	7	12	4-48,63,	26	2.7		9,887	4.41	436	10	41		+263	-.05	+7	+14
09-26-58 510634 1435471 5-73				65,72	17			9,150	4.53	415							
542624 GOLDEN HARVEST H COUNSELOR....*		1	28	1-16	28	2.4		9,213	4.56	420	17	27		-201	+.01	-8	-13
04-06-58 509247 1469831 5-73					50			9,966	4.57	455							
542759 MULHOCAWAY BUTTERFAT OORIAN...*		4	162	2-57,58	168	1.9		11,610	4.13	480	23	29		+90	-.04	0	+3
02-06-58 493764 1677110 5-73					73			11,443	4.26	487							
542789 LANGWATER FORTUNATE.....*		1	36	1-33	36	3.6		9,098	4.65	423	4	31		-34	-.01	-3	-3
06-06-58 424926 1494095 5-73					12			9,121	4.77	435							
542791 LANGWATER SYMBOL.....*		4	24	3-51,56,	34	3.9		9,676	4.66	451	5	37		-213	+.04	-5	-11
03-31-58 424926 906140 5-73				63	23			10,288	4.59	472							
542792 LANGWATER BLAKEFORD.....*		6	5	2-31,51	12	2.2		7,955	4.73	376	**	33		-318	+.02	-13	-20
06-03-58 424926 959321 5-73					17			8,800	4.68	412							
543013 WHITE PLAINS GENERAL.....*		1	12	1-23	12	5.5		7,899	4.46	352	0	27		-113	-.03	-8	-10
04-05-58 459489 1592033 5-73					13			8,138	4.64	378							
543039 FLYING HORSE ODES ROYALIST...*		1	50	1-72	50	2.9		7,769	4.51	350	17	29		-303	+.02	-12	-19
07-07-58 496678 1553146 5-73					85			8,687	4.44	386							
543091 MCDONALD FARMS JOLLY BERT.....*	65-02	51	4	11-31,55,	109	3.3		9,306	4.72	439	10	85		-388	+.09	-9	-19
06-09-58 439587 1035829 5-73				56,58,65	20			9,734	4.62	450							
543094 MCDONALD FARMS JOLLY BEAU.....*	91-11	11	3	3-33,34,	21	3.2		8,302	4.75	394	0	54		-407	+.06	-13	-23
07-31-58 439587 1538109 5-73				35	21			8,949	4.65	416							
543096 MCDONALD FARMS GOLDEN BART.....*	35-05	24	12	6-14,32,	65	2.3		10,739	4.80	516	21	61		-285	+.03	-10	-17
08-19-58 522990 1429477 5-73				33,35,42	13			11,340	4.78	542							
543158 NORTHERN HERMES.....*	35-05	138	6	12-33,35,	380	2.4		10,716	4.52	484	12	93		+645	-.16	+13	+30
10-14-58 415425 1344800 5-73				41,42,93	19			10,025	4.70	471							
543178 JO BE OUDES LEADER.....*		4	14	3-33,47,	27	1.8		7,831	4.85	380	24	35		-293	+.05	-9	-16
08-30-58 452551 1133523 5-73				48	31			8,520	4.73	403							
543214 WINDY HILL PRINCE HARPSTER....*		4	19	1-23	38	2.8		9,686	4.80	465	9	42		+197	+.08	+17	+20
05-25-58 531957 1179394 5-73					37			9,131	4.81	421							
543352 LOOKOUT VALLEY M FAIRFIELD....*		5	27	1-33	45	3.2		9,063	4.80	435	8	40		-94	.00	-4	-6
10-01-58 431720 1082465 5-73					13			9,222	4.83	445							
543417 MAR MULLDALE OSCAR.....*		1	27	1-23	27	3.5		9,353	4.75	444	12	28		-204	-.01	-10	-14
11-20-57 481593 1487619 5-73					14			10,081	4.80	484							
543420 IDEALS DUKE LAD.....*		2	30	2-33,35	32	4.3		8,856	5.01	444	7	31		-112	+.04	-1	-4
10-30-56 250879 1183956 5-73					12			9,127	4.92	449							
543513 MER DONS BEAUTY FOREMOST ACTOR*		1	18	1-31	18	4.2		9,501	4.79	455	18	27		+19	-.04	-3	-2
07-24-58 518090 1108288 5-73					28			9,363	5.04	472							
543558 MAPLE DAWN WINDSOR DAGON.....*	63-02	11	11	4-34,51,	76	2.1		10,035	4.76	478	21	65		-86	+.04	0	-3
11-16-58 523127 1692159 5-73				63,72	29			10,185	4.70	479							
543670 BRAZOS H H KING.....*		4	8	1-74	21	2.5		8,095	4.61	373	0	41		0	+.01	+1	+1
05-13-58 453762 1711396 5-73					23			7,883	4.57	360							
543798 HENSLEE FARMS V VICTOR.....*		2	32	2-51,63	34	4.4		9,663	4.39	424	0	32		+135	-.02	+4	+7
06-17-58 512972 1751591 5-73					17			9,158	4.43	406							
543827 IDEALS CENTURION.....*		4	66	1-51	83	2.9		9,324	4.69	437	8	35		+56	-.04	-1	+1
12-29-57 473089 1731147 5-73					25			9,068	4.87	442							
543837 COLORADO STERLING FRONTIERSMAN*		2	17	1-84	27	3.1		9,538	4.85	463	**	37		-284	+.07	-6	-14
06-21-58 445765 1423435 5-73					18			10,348	4.68	484							
543853 MARGENDELL HIS MAJESTY.....*	33-03	210	6	28-21,23,	504	2.0		10,095	4.56	460	11	95		+194	-.04	+5	+10
09-10-58 526225 1660942 1-73				33,35,41	22			9,875	4.60	454							
543966 LANGWATER PIED PIPER.....		4	19	1-32	42	2.7		10,240	4.19	429	**	44		+21	-.08	-7	-5
08-02-58 424926 1445147 5-73					46			10,211	4.36	445							
544000 BELMONT VIEW MAX THUNDERBOLT..*		4	12	3-55,57,	17	2.3		9,858	4.47	441	18	31		-12	+.01	0	0
08-20-58 471227 1314429 5-73				72	28			9,885	4.46	441							
544059 DINSMORE ROTARIAN.....*		4	31	1-58	59	2.7		7,768	4.45	346	**	42		-80	+.04	0	-2
09-29-58 376230 1669814 5-73					231			7,728	4.31	333							
544226 BAYVILLE ROYAL VIRGINIAN.....*	51-02	46	9	5-23,51,	165	2.4		8,528	4.83	412	23	83		-667	+.08	-23	-39
07-24-58 449539 1567849 5-73				52,54,55	44			9,253	4.73	438							
544342 HANOVER HILL TREASURE.....*		8	26	4-21,32,	49	2.7		9,558	5.22	499	5	42		-180	+.08	0	-5
11-19-58 512257 1594304 5-73				48,72	14			9,988	5.07	506							

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEIRS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS HM/DAU	REC/DAU HERDMATE	MILK	% FAT	1ST LACT MILK	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	SCS
544406 HOLLIKNOLL BONOS COLONEL.....*		3	14	2-52,55	18	4.8	10,463	4.98	521	0 32	+244	+.02	+13	+18
01-10-58 446227 1126722 5-73					20		9,659	4.99	482					
544445 O J GALISSIES NOTABLE.....*		5	17	2-42,47	24	3.5	9,657	4.57	441	5 35	+88	-.04	0	+3
07-23-58 523743 1409777 5-73					8		9,331	4.74	442					
544448 O J HERAMYS CAPTAIN.....		1	16	1-42	16	2.4	10,453	4.10	429	0 25	+327	-.07	+8	+16
01-11-59 523743 1409790 1-73					3		9,066	4.30	390					
544453 YELLOW CREEK S BUTTERFAT VALET*		11	5	1-32	25	2.9	11,099	4.79	532	16 51	+176	-.05	+3	+8
11-13-58 475595 1222895 5-73					15		10,838	4.93	534					
544543 CLA ORE KNIGHTS GOLDEN.....*		4	48	2-82,91	57	3.5	11,078	4.93	546	6 35	-94	+.06	+2	-1
07-31-58 413580 1600347 5-73					24		11,499	4.77	548					
544684 HENSLEE FARMS VIA O ROMAN.....*		5	8	4-56,63,	21	2.5	8,729	4.49	392	29 40	-111	.00	-5	-7
03-10-59 424925 1588267 5-73				65,72	26		8,899	4.52	402					
544694 MULHOCAWAY BUTTERFAT HUSTLER..*		1	21	1-23	21	3.1	10,467	5.13	537	29 26	-305	+.07	-7	-15
11-12-58 493764 1701870 5-73					25		11,807	4.90	579					
544773 PLAIN FOLKS PREDICTION.....		2	16	2-35,55	18	3.6	8,642	4.70	406	** 28	-231	+.01	-10	-15
03-16-58 519873 1292351 5-73					15		9,399	4.72	444					
544832 MAPLE LEAF ROYAL GAY.....*	41-25	18	13	4-33,41,	80	2.4	10,123	4.75	481	11 65	+37	+.06	+8	+8
09-09-58 458927 1482880 5-73				47,48	13		10,071	4.67	470					
544991 WYNO SAINTS HUGO.....*	23-09	318	7	22-23,31,	1,088	2.2	9,675	4.68	453	17 97	-24	.00	-1	-2
12-26-58 429156 1482000 1-73				50,51,52	22		9,665	4.70	454					
545201 DEEP LAKE BUTTERFAT DUKE.....*	16-04	24	2	5-12,13,	34	3.4	9,930	4.83	480	21 68	+43	+.08	+10	+10
07-15-58 457982 1574860 5-73				14,15,16	16		9,848	4.72	465					
545231 YELLOW CREEK HANOY EARL.....*	91-11	12	9	6-21,32,	34	2.9	10,799	4.83	521	9 52	+263	+.02	+14	+19
05-22-58 526747 1741218 5-73				34,35,42	15		10,310	4.83	498					
545234 YELLOW CREEK BFT JERRY.....*		3	40	2-33,35	44	2.5	8,778	4.68	411	18 30	-157	+.02	-5	-9
09-18-58 515664 1615756 5-73					16		9,223	4.63	427					
545279 CONOVERS MAJESTIC WELO.....*		9	17	3-22,23,	34	2.6	8,191	4.80	393	0 40	-478	.00	-22	-33
02-16-59 454296 1734186 5-73				58	69		9,310	4.82	449					
545358 ODRELLA VICTORYS CHAMPION.....*		5	38	1-93	59	2.9	11,927	4.75	566	3 39	+16	+.05	+6	+5
01-02-59 533739 1344309 5-73					88		12,091	4.63	560					
545369 NORTHERN HERMES EMORY.....*		7	13	4-33,43,	33	3.2	10,060	4.70	473	9 45	+58	+.09	+12	+12
03-01-59 415425 1346901 5-73				48,73	42		9,921	4.49	445					
545420 ADOHR HORNET HERO.....*	93-02	2	8	1-93	10	1.6	9,747	4.53	442	** 22	-294	.00	-14	-20
11-01-58 457419 1435713 5-73					215		11,205	4.61	516					
545515 COLBYS KLONDIKE.....*		12	11	5-23,34,	50	3.0	11,235	4.68	526	9 58	+217	-.01	+9	+14
10-22-58 493542 1666248 5-73				41,51,52	25		10,955	4.71	516					
545581 FAIRLAWN HORNETS SUPERB.....*		3	16	1-72	32	2.9	10,930	4.15	452	0 40	+190	-.12	-3	+3
04-15-59 352352 1724111 5-73					45		10,473	4.42	463					
545667 YELLOW CREEK BFT CEDAR.....*		3	31	3-35,61,	38	2.7	9,346	4.98	465	35 32	-112	+.04	-1	-4
10-14-58 534741 1783925 5-73				85	23		9,659	4.90	474					
545759 HOMESTEAD LAKE LOUISE NOBLE...*		1	17	1-92	17	2.9	8,100	5.22	423	0 25	-346	+.07	-9	-18
10-20-58 529601 1755277 5-73					12		9,405	4.91	462					
545797 MCDONALD FARMS JOLLY CHIEF....*		3	9	2-33,42	13	2.8	9,690	4.58	444	0 29	+37	-.02	0	+1
03-09-59 439587 1381417 5-73					16		9,507	4.69	446					
545833 BIG SPRINGS KING ROAMER.....*		1	13	1-32	13	2.2	9,035	4.47	404	33 23	-147	-.01	-8	-11
02-24-59 527465 1185940 5-73					23		9,654	4.59	443					
545871 CLA ORE KNIGHTS BE BOP.....*		5	10	3-86,92,	21	2.3	11,191	4.49	503	35 36	+97	+.02	+7	+9
01-01-59 413580 1696994 5-73				93	32		11,018	4.40	485					
546100 GUERNSEY LAND TRANSFERS TROJAN*		1	24	1-21	24	2.8	11,074	4.67	517	9 28	+35	+.03	+5	+5
09-21-58 453207 1514633 5-73					17		11,052	4.56	504					
546145 GAYOSO VIEWS FAMES STAR.....*		4	10	3-65,72,	15	3.0	8,181	4.33	354	0 31	-26	-.03	-4	-4
11-03-58 512974 1266592 5-73				73	30		8,072	4.45	359					
546149 SPRING RIDGE GENERAL LAO.....*		6	16	5-21,35,	40	3.2	9,562	4.83	462	17 47	-305	+.10	-4	-13
11-22-58 382418 1416760 5-73				52,56,63	103		10,239	4.64	475					
546217 CLEAR SPRINGS PERFORMERS MIKE.*		7	2	5-52,55,	10	1.5	9,313	4.43	413	** 34	-53	-.02	-4	-5
11-28-58 490568 1372382 9-72				56,57,64	23		9,410	4.51	424					
546243 WANDAMERE B TOKEN.....*		5	17	2-91,92	26	1.5	9,580	4.62	443	40 30	-374	-.02	-19	-27
04-14-59 537339 1677863 5-73					49		10,901	4.71	513					
546329 WESTERN GLOW LILS BONANZA.....*		8	14	3-55,56,	27	2.7	9,712	4.46	433	18 38	+123	-.05	+1	+5
03-20-59 496783 1361624 5-73				58	25		9,317	4.59	428					
546331 WESTERN GLOW OARIMOST.....*	91-13	595	16	44-21,82,	3,153	1.9	11,193	4.69	525	11 98	+396	+.06	+24	+32
05-14-59 475548 1146132 1-73				91,92,93	25		10,875	4.64	505					
546352 COLBYS COMMANDER.....*		1	81	1-52	81	3.5	9,252	4.76	440	10 31	-2	.00	0	0
12-28-58 533195 1788582 5-73					43		9,178	4.78	439					
546422 EBER LEA FARMS PRINCE.....*	33-03	228	7	32-21,23,	575	1.5	10,157	4.93	501	25 95	-467	+.29	+6	-9
02-28-59 475548 1647662 5-73				31,41,56	25		10,721	4.65	498					
546461 CARROLLS VICTOR.....*		3	44	2-23,51	48	2.7	9,012	4.76	429	9 31	-37	.00	-2	-3
12-28-58 500240 1202934 5-73					30		9,035	4.83	436					
546463 RIVERVIEW CASCADES DICTATOR...*	91-13	32	2	4-82,83,	49	1.9	9,264	4.81	446	21 72	-703	+.12	-21	-39
12-18-58 498590 1461642 5-73				91,92	18		10,265	4.66	478					
546473 LAUREL CLIFF DUKE HALCYON.....*		3	4	1-52	11	1.2	10,009	4.35	435	** 28	-109	-.04	-9	-11
01-12-59 529773 1510063 5-73					46		10,445	4.51	471					
546527 SUNESLOPES BON BEASON.....*		2	11	1-42	20	2.8	9,838	5.12	504	21 35	-164	+.03	-5	-9
11-11-58 496783 1296024 5-73					25		10,338	5.11	528					
546558 STEDE WELLS ILAS PRIME.....	42-02	19	2	3-23,42,	26	1.9	8,025	4.35	349	30 59	-581	-.10	-36	-47
11-19-58 524112 1037684 5-73				73	8		8,898	4.57	407					
546559 GUERNSEY LAND PHARAOHS PHARAOH*	21-10	82	3	11-12,13,	148	1.9	10,565	4.48	473	21 88	+367	-.13	+3	+14
09-13-58 298216 1170742 5-73				14,15,21	19		10,150	4.63	470					
546618 MCDONALD FARMS ROYAL CROWN....*	23-09	172	6	15-21,23,	520	1.7	9,544	4.82	460	21 95	-301	+.16	+2	-7
05-25-59 470604 1756354 9-72				51,65,72	22		9,846	4.64	457					
546650 LAPO RECS CHALLENGER.....*		7	11	3-42,43,	27	2.2	10,853	4.54	493	18 42	+185	+.01	+10	+14
10-30-58 523582 1181797 5-73				47	20		10,451	4.50	470					
546705 VALLEY VIEW MARKSMAN.....*		6	5	2-92,93	15	3.6	10,042	5.10	512	0 41	-215	+.10	0	-7
01-01-59 509431 1505207 5-73					36		10,632	4.88	519					

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS HM/DAU	REC/DAU HERDMATE	MILK MILK	% %	FAT FAT	% 1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
546880 MCDONALD FARMS JOLLY CLIFFORD.*	21-01	23	3	7-13,16,	32	3.7	9,487	4.64	440	7	64	-182	-.04	-12	-15
C6-17-59 439587 1756342 5-73				21,22,31	18		9,745	4.72	460						
547C69 DOMINGO.....*		6	5	3-33,82,	17	2.6	9,177	4.57	419	0	43	-182	.00	-8	-12
C5-07-58 415425 1431731 5-73				92	18		9,557	4.58	438						
547253 LOOKOUT VALLEY ROSE FLASH.....*	35-04	35	3	14-33,34,	64	3.0	9,601	4.83	464	8	77	-60	+.10	+7	+4
C7-02-59 475548 1480511 5-73				35,42,86	26		9,642	4.71	454						
547319 HOMINY HILL ADRIAN.....*		38	14	12-14,23,	104	2.4	10,439	4.51	471	13	70	+317	-.03	+11	+19
C2-23-59 422711 1221412 5-73				31,56,91	26		9,984	4.55	454						
547459 GAYOSO VIEW FAMES KING.....*	63-02	17	19	2-33,63	98	2.4	10,085	4.58	462	10	64	+234	-.05	+6	+12
12-24-58 512974 1721548 5-73					25		9,684	4.66	451						
547495 BELMONT VIEW NOBLES ROBIN.....*		4	17	2-55,57	22	2.7	9,409	4.52	425	33	31	-215	+.01	-9	-14
C3-11-59 507448 1420495 5-73					55		10,112	4.52	457						
547554 PRE EMINENT REGAL CONQUEST....*		8	14	5-33,56,	32	2.7	7,824	4.45	348	**	42	-104	+.02	-3	-6
01-09-59 376230 1640992 5-73				58,64,73	146		7,854	4.39	345						
547581 YELLOW CREEK H MOONLIGHT.....*		9	9	5-33,35,	32	2.2	8,526	4.94	421	46	48	-515	+.17	-8	-22
12-14-58 496474 1615757 5-73				42,72,85	46		9,553	4.57	437						
547610 THREE CLIFFS BJ DAMON.....*		2	28	1-41	30	3.6	8,973	4.80	431	17	31	-152	+.06	-1	-5
C9-14-59 496783 1629682 5-73					15		9,415	4.62	435						
547620 IDEALS SATURN.....*		6	5	3-32,33,	19	3.4	10,576	5.00	529	17	46	+150	+.08	+15	+17
01-28-58 527534 1732689 5-73				35	14		10,271	4.88	501						
547640 MEADOW LANE PRIDES PRINCE.....*		5	13	3-35,42,	21	3.5	10,907	4.77	520	8	36	+71	+.02	+5	+6
C3-17-59 475595 1511730 5-73				63	31		10,782	4.74	511						
547675 DITMARSIAS SPECIAL.....*		6	17	2-42,47	32	3.1	10,123	4.69	475	29	39	-9	.00	0	0
C3-13-59 502177 1691160 5-73					14		10,163	4.70	478						
547704 YELLOW CREEK B HARMON.....*		9	10	5-23,34,	29	2.3	10,007	4.78	478	6	45	-72	.00	-3	-5
C2-33-59 481593 1677113 5-73				35,48,57	10		10,184	4.80	489						
547765 MAURANA S BUTTERFAT GONDOLIER.*	35-21	82	8	12-35,41,	185	2.2	10,181	4.87	496	16	86	+117	+.15	+21	+21
C1-22-59 527868 1510922 5-73				42,47,48	15		10,046	4.71	473						
547878 ROSEWOOD NONAS VALOR.....*		8	15	2-33,61	30	3.0	11,560	4.71	544	23	40	+69	-.02	+1	+3
C8-26-59 512972 1010804 5-73					23		11,537	4.78	551						
547897 COLDSPRINGS CORONATION KING...*		3	15	1-23	19	2.2	9,439	5.02	474	14	28	-292	+.05	-9	-16
03-03-59 529812 1817744 5-73					14		10,541	4.89	515						
547985 CHEDCO ACTORS PREMIER.....*		3	16	3-32,63,	24	2.7	8,854	4.55	403	20	34	-241	-.03	-14	-19
10-26-59 523823 1743446 5-73				72	24		9,514	4.69	446						
547988 CHEDCO SWEETBRIARS KING.....*	91-13	27	8	4-82,87,	74	2.3	10,040	4.87	489	31	69	-224	+.10	-1	-8
11-11-59 472563 1355138 5-73				91,92	20		10,402	4.77	496						
548026 EDISTO FARMS FLASHS JESTER....*		26	4	7-52,56,	57	2.0	10,974	4.48	492	**	72	+419	-.04	+15	+25
C8-15-59 475548 1662061 5-73				57,63,65	38		10,436	4.52	472						
548036 BAYVILLE JOLLY MARKER.....*	52-01	55	4	4-23,52,	133	2.5	8,713	4.67	407	17	86	-174	-.03	-11	-14
C1-05-59 504890 1638906 5-73				55,63	25		8,794	4.73	416						
548052 SHENMONT ROYAL LESLIE MARCUS..*	52-01	68	11	23-35,41,	168	2.1	10,208	4.48	457	17	82	-191	-.16	-25	-26
C8-20-59 449539 1217284 5-73				52,55,85	55		10,489	4.69	492						
548094 DEEP LAKE BONANZAS LEE.....*		2	8	1-14	10	1.2	9,236	4.47	413	**	20	-142	-.01	-8	-11
C5-18-59 496783 1739947 5-73					17		9,929	4.60	457						
548110 FRIENDSHIP ROSES TRANSFER.....*		1	17	1-23	17	3.1	11,824	4.59	543	29	26	-24	+.03	+2	+1
12-20-58 453207 1414961 5-73					26		12,130	4.48	543						
548118 DEEP LAKE BON FLASH DEACON....*	61-02	41	3	5-31,33,	71	2.1	9,812	4.62	453	18	79	-217	-.05	-15	-19
C9-22-59 496783 1604692 5-73				61,84,85	16		10,096	4.70	475						
548126 ROES MOR E DISTINCTION.....*	35-21	109	5	9-33,35,	284	1.7	10,642	4.60	489	16	91	+517	-.06	+18	+30
C4-25-59 493542 1062959 5-73				41,42,43	13		10,081	4.66	470						
548211 SPRINGDALE DORAS REX.....*		1	34	1-34	34	2.6	11,787	4.84	570	21	28	-61	+.06	+3	+1
C4-07-59 460803 1576742 5-73					16		12,234	4.64	568						
548273 TIL LISE ROSES ROMEO.....*		4	19	2-71,73	25	3.4	10,548	4.49	474	5	32	+262	-.01	+11	+17
C7-28-58 424536 1389280 5-73					19		9,706	4.51	438						
548362 BROAD VALLEY ROYAL PAT.....*		1	12	1-74	12	3.6	6,121	4.53	277	**	25	-284	+.03	-10	-17
C4-30-59 481107 1582429 5-73					23		6,942	4.38	304						
548376 GRAIN MEADOW V MATCHLESS.....*		4	7	3-32,58,	12	2.3	9,264	4.88	452	56	29	-103	+.01	-4	-6
C6-05-59 529456 965976 5-73				72	18		9,585	4.92	472						
548382 AUER BOSWELLS P BLEND.....*		6	10	2-13,16	24	2.6	9,588	4.74	454	15	40	+31	+.01	+2	+3
C5-29-59 386844 1417480 5-73					19		9,452	4.73	447						
548385 CORVILLAS T MCDONALD.....*		9	12	6-32,33,	48	2.1	10,069	4.91	494	25	53	-395	+.13	-6	-17
C7-13-59 512215 1713319 5-73				35,43,65	52		10,904	4.70	513						
548432 ADOHR JOLLY BEATNIK.....*		4	10	1-93	17	1.9	10,184	4.91	500	23	30	-102	+.04	-1	-4
C7-20-59 492607 1653617 5-73					15		10,580	4.84	512						
548490 MIDDLETOWN CAESARS MAJESTIC...*		2	25	1-13	39	3.1	10,287	4.69	482	25	37	0	-.03	-3	-2
C7-05-59 451785 1479330 5-73					7		10,317	4.81	496						
548532 FLYING HORSE R KING.....*	91-13	22	6	5-21,82,	38	2.3	10,145	4.69	476	30	59	-34	-.02	-4	-4
10-22-59 514114 1649697 5-73				86,91,92	16		10,225	4.76	487						
548556 LOCKSHORE MASTERBLEND.....*		5	19	1-34	26	2.9	10,410	4.58	477	39	32	-200	-.05	-14	-18
C4-14-59 527345 1660144 5-73					44		11,146	4.76	531						
548593 GREEN VALLEYS FLASH.....*		4	20	2-35,42	33	3.7	10,258	4.67	479	3	39	+63	+.03	+6	+7
C9-11-59 475548 1509853 5-73					8		10,106	4.59	464						
548736 HIGH MEADOWS GALLANT JOE.....*	91-01	19	2	3-81,82,	29	2.3	9,878	4.61	455	13	61	-161	-.08	-15	-17
C8-30-59 534152 972756 5-73				91	13		10,159	4.75	483						
548768 FOREMOST MISSOURIAN VALOR.....*		1	19	1-43	19	3.0	9,804	4.79	470	**	27	-164	+.05	-3	-7
C6-22-59 496446 1630447 5-73					18		10,465	4.67	489						
548779 MULHOLLAND BUTTERFAT CARILLON.*	67-C1	4	5	3-82,86,	10	1.6	8,161	4.74	387	11	27	-416	+.05	-14	-24
C4-16-59 431323 1492941 9-72				87	31		9,670	4.56	441						
548840 ROCK MOORS CORONATION KING.....*		9	7	3-35,41,	24	2.8	9,642	4.87	470	6	47	-86	+.04	0	-3
C6-08-59 503449 1074752 5-73				57	33		9,806	4.83	474						
548853 KINGSDALE JOLLY DIAMOND.....*		2	11	1-32	13	2.0	11,328	4.35	493	0	25	+117	-.04	+1	+4
C9-07-58 529903 1616108 5-73					16		10,943	4.51	494						
548869 DOUGLASTON K DONNAS TRANSFER..*		4	21	1-21	28	2.5	10,548	4.93	520	11	32	-70	+.05	+2	0
10-29-59 453207 1646355 5-73					46		10,851	4.79	520						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS	REC/DAU	MILK HM/DAU	% HEROMATE	MILK	%	FAT	% 1ST INC	% REPT	PREDICTED DIFFERENCES MILK	%	FAT	$$
548870 DEERSHORN SUPREME.....*		3	4	2-14,65	10	2.6	10,613	4.70	499	13	32	-102	-.02	-7	-9
02-11-59 483126 1235488 5-73					15		11,037	4.80	530						
548911 GRASSLAND SUPREMES PAT.....*		3	16	1-16	32	3.2	12,138	4.71	572	16	42	+324	.00	+15	+22
08-04-59 530926 1433696 5-73					23		11,507	4.74	545						
548932 COLBYS MASTER GWENNIE.....*		7	6	1-23	20	2.4	8,602	5.09	438	17	44	-346	+.14	-2	-12
10-11-59 525463 1564425 5-73					22		9,316	4.77	444						
548954 LAJXMONT CENTURION.....*		5	36	2-23,43	44	2.9	8,490	4.53	385	21	33	-174	.00	-8	-12
01-12-60 456337 1742553 5-73					17		8,910	4.58	408						
549025 DAIRYMAN JADINES VALIANT.....*		2	26	1-35	36	3.1	9,058	5.27	509	9	35	-17	+.07	+6	+4
09-14-59 475548 1238252 5-73					21		9,674	5.13	496						
549038 STEBBINS ROYAL CORNUCOPIA.....		1	14	1-58	14	1.6	7,833	4.42	346	0	22	-178	+.01	-7	-11
08-01-59 536269 934496 5-73					20		8,483	4.40	373						
549057 SUNNYMEDE SPECIALS DUKE.....*		1	12	1-43	12	3.3	11,849	4.73	561	33	23	+88	.00	+4	+6
09-26-59 502177 1503796 1-73					10		11,624	4.77	555						
549068 WYND STATELY HARLEQUIN.....*		11	7	7-23,43,	40	1.9	9,009	4.87	439	43	56	-495	+.18	-6	-20
05-27-59 488556 1690557 5-73				48,56,58	48		9,874	4.57	451						
549075 ELMWOOD RITHS KING.....		1	13	1-42	13	2.5	9,164	4.71	432	**	24	-259	+.04	-8	-14
08-11-59 524220 925801 1-73					6		10,256	4.58	470						
549095 FLYING HORSE ROSES ROYAL.....*		5	11	1-56	29	2.9	8,679	4.64	403	10	45	-396	+.01	-17	-26
02-03-60 496678 1502225 5-73					54		9,516	4.62	440						
549210 MAR MAC KATS FLASH.....*		5	6	1-56	12	3.3	9,932	4.53	450	0	33	-80	+.02	-2	-4
07-07-59 475548 1491759 5-73					26		10,195	4.50	459						
549234 GAYOSO VIEW FAMES FABRON.....*	63-02	22	3	3-56,57,	41	2.4	10,466	4.37	457	20	68	+520	-.17	+6	+21
08-20-59 512974 1287512 5-73				63	18		9,667	4.62	447						
549235 GAYOSO VIEW TOP COMMAND.....*	33-03	850	6	45-23,31,	2,396	2.7	10,653	4.40	469	12	99	+595	-.25	+1	+19
08-23-59 512972 1408844 1-73				32,33,35	21		10,056	4.66	469						
549335 PRESTOALE F ARTIC.....*	35-21	82	6	10-35,41,	192	2.0	10,304	4.78	493	10	87	+227	+.11	+22	+25
01-17-60 475548 1781211 5-73				42,47,82	16		10,046	4.66	468						
549336 LAKE LOUISE PATSYS PRINCE.....*	91-13	99	6	9-82,86,	306	2.0	11,060	4.72	522	13	92	+220	+.07	+17	+21
10-17-59 517838 950680 9-72				91,92,93	19		10,908	4.66	508						
549342 BROWNIES FARMS OPTIMIST.....*	41-25	77	5	11-35,41,	153	2.9	10,717	4.48	480	12	87	+595	-.15	+11	+27
07-25-59 496783 1828972 5-73				43,47,92	15		10,037	4.66	468						
549439 JOHN PLAINS V A VIRGIL.....		3	12	1-33	25	3.2	7,643	4.76	364	23	40	-273	+.05	-8	-15
08-28-59 533320 1817622 5-73					12		8,148	4.63	377						
549511 DERRY MANOR AUGUSTUS.....*	21-10	63	3	10-11,12,	103	2.4	9,734	4.71	458	22	83	-183	+.03	-5	-10
02-12-60 446983 1615756 5-73				13,16,21	20		9,947	4.67	465						
549538 BROWNIES FARMS PRINCE.....*		10	5	3-86,91,	26	2.2	10,171	4.77	485	14	51	-362	+.05	-12	-21
10-21-59 496783 1664536 5-73				92	16		10,972	4.70	516						
549571 NEHER FARMS FLASHS SUPERIOR...*		2	22	1-73	26	2.8	10,305	4.42	455	4	30	+92	+.03	+7	+9
11-07-59 475548 1577987 5-73					16		10,000	4.30	430						
549579 CEDARIDGE KING.....*		1	20	1-82	20	2.8	12,689	4.30	546	**	27	+540	-.04	+21	+34
08-20-59 535254 1461297 5-73					9		10,748	4.36	469						
549588 WOODACRES EMPORER.....*	31-07	273	8	23-23,32,	890	1.8	10,446	4.67	488	17	96	+174	-.05	+3	+8
09-12-59 524479 1369854 1-73				34,51,52	28		10,292	4.73	487						
549619 GRAND VIEW CHIEFTAINS MAJESTY.*		3	5	1-55	13	1.8	9,233	5.01	463	**	34	-185	+.11	+2	-4
01-24-60 495409 1788702 5-73					29		9,747	4.69	457						
549687 LAUXMONT SAMPSON.....*		6	6	2-21,56	14	1.9	8,850	4.62	409	90	32	-168	-.02	-10	-13
03-21-60 510148 1706673 5-73					26		9,316	4.73	441						
549772 BELNEMUS EMORY DANNY.....*		1	25	1-52	25	2.6	9,330	4.81	449	11	27	+39	+.01	+3	+4
12-24-59 486384 1231808 5-73					35		9,090	4.81	437						
549818 WYE HEIGHTS RICHMOND.....*		7	14	6-23,31,	30	2.6	9,240	4.99	461	20	41	-79	+.07	+3	0
01-22-60 527221 1749238 5-73				33,51,55	38		9,369	4.84	453						
549863 BAY MEADOW BILLYS DOMINATOR...*	93-01	10	2	3-86,91,	15	1.9	10,626	4.60	489	**	43	-163	+.01	-7	-11
09-10-59 511244 1199134 5-73				93	37		11,115	4.62	513						
549915 GREGORY OF NOAHS ARK.....*		2	17	1-32	19	3.2	9,878	5.09	503	17	29	-55	+.04	+1	-1
10-25-59 463153 1786872 5-73					34		10,078	5.00	504						
549973 LONE PALM OLIVER.....*		5	11	1-93	18	1.4	12,793	4.48	573	**	29	+144	-.05	+2	+6
02-03-58 431555 1624484 5-73					33		12,547	4.61	578						
550012 HOMINY HILL SENOR.....*		8	82	1-93	113	3.0	12,550	4.50	565	3	38	+322	-.08	+7	+15
11-12-59 536994 1808120 5-73					74		11,894	4.67	555						
550014 HOMINY HILL ACME.....*	35-21	151	7	14-23,35,	458	1.6	11,027	4.58	505	13	93	+387	-.11	+6	+17
12-18-59 489007 1801354 5-73				41,42,47	15		10,677	4.71	503						
550029 HAM FARM SWEETHEART L ENERGY..*		1	27	1-52	27	4.6	9,143	4.77	436	6	30	+18	.00	+1	+1
09-06-58 518625 1196661 5-73					44		8,980	4.76	429						
550032 DINSMORE LANNIE.....*		5	25	2-56,58	61	2.3	7,650	4.52	346	**	47	-117	+.05	0	-4
10-28-59 507258 1273695 5-73					240		7,656	4.34	333						
550064 ALCHRIST D SULTAN.....*		1	18	1-41	18	3.6	8,208	4.92	404	6	28	-91	+.04	0	-3
11-08-59 532157 1415742 5-73					8		8,374	4.80	402						
550095 MEADOW LANE SUPREME CHRIS.....*		8	3	1-35	13	3.5	9,561	4.59	439	17	44	-321	-.01	-16	-23
12-17-59 475595 1581635 5-73					23		10,332	4.65	480						
550098 COWAN FARMS FLASHS MARS.....*		2	21	1-35	32	2.7	10,643	4.33	461	5	35	+131	-.09	-3	+2
10-05-59 475548 1683345 5-73					16		10,299	4.61	475						
550205 HIGH MEADOWS JOLLY DUKE.....*		4	20	2-21,91	26	2.0	12,023	4.69	564	38	30	-78	+.01	-3	-5
08-11-59 439587 1615451 5-73					26		12,542	4.71	591						
550311 SPJORIDGE NECTAR SUPREME.....*		2	9	1-32	11	3.3	12,252	5.07	621	20	26	+342	+.02	+18	+25
01-19-60 418022 1746682 5-73					13		11,027	5.09	561						
550323 KLONDIKE FERNS THERON.....*		1	15	1-56	15	2.3	8,335	4.75	396	0	24	-136	+.02	-4	-7
11-18-59 495007 1739204 5-73					45		8,787	4.67	410						
550426 ECKMANS FRANCINES FRALOREN....*		6	22	2-43,48	37	2.9	10,345	5.36	555	15	38	-195	+.06	-3	-8
11-01-59 457224 939208 5-73					17		10,953	5.26	576						
550462 SHAMROCK BON WATCHFUL.....*		8	99	3-85,86,	176	1.8	11,660	4.73	551	16	41	-186	+.20	+11	+3
11-18-59 496783 1601332 5-73				93	146		12,334	4.29	530						
550574 METZGER FARMS B VALROYAL.....*		3	15	2-32,72	20	2.8	11,689	5.02	587	6	31	+89	+.04	+8	+9
01-01-60 496783 1543739 5-73					19		11,555	4.94	571						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES WD- WITH MOST DAUS	...DAUGHTERS AND HERDMATES... DAUS	REC/DAU HM/DAU	MILK	%	FAT	%	1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
550580 SPRING RIDGE NOBLE LAD.....*		16	25	5-33,35,	60	2.2	11,010	4.72	520	15	46	+101	+.02	+7	+9
11-19-59 382418 1416760 5-73				41,42,85	28		10,876	4.69	510						
550639 BAYVILLE JOLLY KING.....*		4	7	3-51,52,	19	2.2	8,784	4.52	397	35	38	-102	-.06	-11	-12
12-21-59 504890 899617 5-73				54	94		8,947	4.76	426						
550668 MCDONALD FARMS JOLLY DEFENDER.*		6	12	4-15,21,	20	2.4	9,358	4.85	478	0	34	-174	+.07	-1	-6
02-14-60 439587 1841359 5-73				23,51	38		10,416	4.68	487						
550693 WALKER FARMS ZEUS.....*		2	51	2-56,65	53	2.6	10,800	4.71	509	9	30	-3	+.01	+1	+1
11-04-59 431108 1331702 5-73					106		10,901	4.67	509						
550758 BROOKBERRY JOLLY MONITOR.....*		24	18	8-52,55,	73	2.4	10,501	4.57	480	9	57	-63	+.01	-2	-4
12-18-59 518023 1748403 5-73				56,57,74	48		10,678	4.56	487						
550771 WESTERN GLOW ROYAL CHAMPION...*		9	1	5-82,86,	10	1.8	11,236	4.85	545	25	37	+23	+.12	+13	+11
09-28-58 422711 1072901 5-73				91,92,93	33		11,301	4.57	516						
550772 WESTERN GLOW MELBAS CHAMPION..*	93-19	148	30	29-35,42,	507	1.8	11,183	4.34	485	16	85	+177	-.19	-11	-4
09-12-59 422711 1830678 5-73				85,91,93	168		11,081	4.54	503						
550819 ALVADEAN NOBLE JEFF.....*		2	14	1-35	26	3.0	9,380	4.81	451	25	39	-16	+.06	+5	+4
07-29-59 537405 1640756 5-73					13		9,358	4.66	436						
550839 GOLDEN GRANGE MAGIC RAIDER....*		2	9	1-32	11	2.0	9,834	4.63	455	30	25	+62	-.06	-3	-1
09-10-59 559407 1103034 5-73					19		9,540	4.94	471						
550918 WESTERN GLOW PEARLS TRAVELER..*		2	11	1-91	13	3.9	12,336	4.71	581	31	27	+81	-.03	+1	+3
06-08-60 535338 1072901 5-73					11		12,264	4.82	591						
550922 WACALU ROYALMOST.....*		2	11	1-31	16	3.7	10,186	4.21	429	0	32	+9	-.07	-7	-5
02-01-60 536269 1532561 5-73					19		10,174	4.45	453						
550942 FRANCHESTER CECILIAS BONANZA..*	31-07	425	13	31-31,33,	1,769	2.5	10,107	4.56	461	15	98	+396	-.06	+12	+22
11-08-59 496783 1204512 1-73				56,58,85	44		9,665	4.62	447						
550956 MAPLE DAWN MAGAR WADE.....*		3	9	1-34	13	3.0	11,658	5.15	600	25	29	+190	+.11	+20	+22
02-11-60 440484 1142537 5-73					16		11,113	4.85	539						
551007 SUNNY CREST SAINTS LADDIE.....*		12	14	4-23,52,	81	2.4	9,100	4.80	437	21	65	-270	+.08	-5	-12
11-22-59 539419 1563547 5-73				55,56	25		9,461	4.70	445						
551015 FOREMOST HAPPY VALOR.....*		8	13	2-43,84	36	2.8	10,461	4.40	460	24	47	+243	-.08	+3	+10
01-30-60 533454 1538317 5-73					45		9,933	4.56	453						
551025 WELCOME WISTFUL BONANZA.....*		4	6	2-21,23	19	3.5	10,479	5.12	537	6	43	-374	+.17	-1	-12
01-16-60 496783 1428551 5-73					18		11,494	4.79	551						
551096 GUERNGOLD FLASH.....*	91-11	34	10	8-21,31,	106	2.4	10,405	4.71	490	9	75	+358	-.01	+15	+23
11-29-59 475548 1635000 5-73				35,41,42	12		9,915	4.75	471						
551156 U OF M G MASTER.....*	41-01	31	13	3-35,41,	147	1.8	10,272	4.86	499	11	76	-68	+.12	+9	+5
03-31-60 440484 1770287 5-73				45	11		10,399	4.71	490						
551183 MT ARARAT BRIGHT ATLAS.....*		1	23	1-51	23	3.0	10,208	4.61	471	15	27	+81	.00	+4	+6
01-30-60 514133 1429794 5-73					40		9,899	4.62	457						
551194 HOMINY HILL TREASURE.....*		7	19	3-23,51,	49	1.9	9,387	4.68	439	20	45	-34	-.02	-4	-4
03-15-60 422711 1150418 5-73				58	27		9,402	4.79	450						
551226 PRAIRIE HOME GLORYS BONANZA...*		1	32	1-45	32	2.1	13,279	4.83	642	**	27	+314	+.01	+16	+23
11-26-59 496783 1703144 5-73					5		12,345	4.83	596						
551314 VILLA WAY FORE PRINCE.....*		3	5	1-31	11	3.0	9,683	4.84	469	20	32	-249	+.04	-8	-14
09-19-59 505027 1210570 5-73					17		10,512	4.77	501						
551351 PASTURE HAVEN SUPREMES TIOE...*		3	16	2-32,72	20	2.7	10,724	4.91	527	21	29	-70	-.01	-4	-5
11-26-59 475595 1668868 5-73					11		11,071	5.01	555						
551370 ROETTA BLOSSOMS ORBIT.....*		13	28	4-82,91,	68	2.9	10,200	4.65	474	11	49	-213	-.09	-19	-22
12-03-59 540160 1768709 5-73				92,93	37		10,707	4.87	521						
551455 PRE EMINENT HERMES EMORY.....*		14	9	5-43,47,	45	2.0	8,898	4.82	429	8	57	-167	+.10	+2	-3
12-03-59 415425 1544653 5-73				48,72,73	21		9,101	4.63	421						
551468 HULMARCO MELBAS HORNET.....*		1	17	1-35	17	3.8	8,729	4.98	435	13	27	-267	+.05	-7	-14
11-27-59 457419 1436528 5-73					14		9,699	4.80	466						
551481 LONG LANE C CHAMP.....*		2	17	1-23	19	3.7	11,040	4.96	548	6	29	+144	+.02	+9	+12
12-07-59 422711 1490918 5-73					17		10,607	4.93	523						
551517 DEERPATH EMORYS GORDON.....*		4	13	3-21,52,	18	2.3	9,699	5.04	489	0	30	-301	+.11	-3	-12
04-05-60 412729 1421872 5-73				57	38		10,774	4.70	506						
551539 COSNIACS BRILLIANT HENRY.....*		3	43	2-31,61	47	2.5	10,335	4.93	509	3	31	-186	+.06	-3	-8
12-23-59 540033 1841516 5-73					14		11,043	4.80	530						
551707 ALPINE ROSE SECRET ECHO.....*		4	34	1-31	47	3.7	10,452	4.76	498	7	36	+207	-.02	+7	+12
01-02-60 529242 1342861 5-73					8		9,859	4.86	479						
551714 PRE EMINENT SUSIES FANCIER....*		4	7	1-35	17	1.2	9,627	4.63	446	10	33	+35	-.01	+1	+2
01-29-60 532698 1806865 5-73					6		9,464	4.65	440						
551716 CALM SET BONA BOY.....*		3	12	1-42	17	1.8	9,486	4.68	444	**	28	-65	+.01	-2	-4
04-07-60 496783 1848331 5-73					14		9,686	4.68	453						
551760 KLONDIKE JOLLY BEACON.....*		1	60	1-56	60	2.6	9,597	4.76	457	25	29	-247	+.02	-9	-15
02-01-60 518023 1357230 5-73					19		10,492	4.70	493						
551774 E F FINESSES BONANZA.....*		2	17	1-71	24	2.5	8,595	4.25	365	**	33	+123	-.02	+4	+7
03-09-60 496783 1477454 5-73					29		8,623	4.25	341						
551885 MCDONALD FARMS R L DIVIDEND...*	31-02	173	4	32-31,32,	400	1.3	10,420	4.51	470	14	94	-68	-.10	-13	-13
07-06-60 487032 1582424 1-73				43,56,58	45		10,545	4.62	487						
551888 SPRUCE SHADOWS M PAYMASTER....		7	17	2-35,41	37	3.0	9,454	5.00	473	**	43	-69	+.12	+9	+5
02-16-60 527413 1401644 5-73					9		9,571	4.70	450						
551914 LAJXMONT MASTERPIECE.....*	23-11	35	7	4-21,23,	109	2.5	9,081	4.82	438	12	80	-557	+.06	-20	-33
08-07-59 456337 1517845 5-73				35,57	25		9,750	4.76	464						
551920 ROSEWOOD BEA HAZEN.....*	61-02	53	3	4-31,33,	106	2.2	9,870	4.77	471	17	83	+12	+.06	+7	+6
06-15-60 498183 1743437 5-73				61,84	13		9,836	4.71	463						
551921 ROSEWOOD ARISTOCRAT BEA.....*	61-02	17	3	2-33,35	33	2.1	10,244	4.59	470	23	62	+202	-.05	+4	+9
07-10-60 498183 1759580 5-73					16		9,905	4.68	464						
552022 MAPLE LEAF ROCKY.....*	35-21	35	8	4-35,41,	81	2.0	10,210	4.64	474	21	72	-234	+.03	-8	-14
01-31-60 475548 1643809 5-73				42,43	15		10,593	4.62	489						
552038 NORMANOY KEVIN.....*		3	17	1-32	21	2.4	8,900	4.62	411	25	29	-195	.00	-9	-13
04-11-59 453207 1586440 5-73					11		9,534	4.66	444						
552126 CROWNS BONANZA OILLIE.....*		4	33	1-54	52	2.7	10,086	4.61	465	15	38	+65	+.02	+5	+6
12-13-59 496783 1300950 5-73					15		9,904	4.55	451						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS HM/DAU	REC/DAU HEROMATE	MILK	% MILK	FAT %	FAT	% INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
552135 SCHWINGHAMER FARM IDEAL.....*		1	12	1-41	12	3.3	7,558	4.68	354	0	25	-513	-.06	-29	-39
C3-12-60 513332 1671083 5-73					9		9,568	4.97	476						
552174 ABNER OF SQUAREWOODS FARM.....*		4	4	2-13,16	11	2.2	8,953	4.38	392	45	31	-253	-.04	-16	-21
C4-03-60 475548 1311298 5-73					16		9,735	4.56	444						
552180 RITCHIEDALE DICTATORS ZORO....*		6	9	1-32	32	3.3	10,269	4.59	471	17	52	-231	+.01	-10	-15
C3-21-60 421539 1777242 5-73					12		10,793	4.59	495						
552197 BAYVILLE ROYAL MARS.....*		2	22	2-57,63	24	3.5	11,258	4.62	520	6	30	+218	-.03	+7	+12
C5-23-60 449539 1638906 5-73					126		10,583	4.72	499						
552205 PRESTDALE B FANTASTIC.....*		9	17	8-32,33,	45	2.7	9,872	4.52	446	6	49	+52	+.01	+3	+4
C3-05-60 496783 1541664 5-73				47,57,74	57		9,735	4.50	438						
552277 LAJXMONT TUSCAN.....*		5	17	1-52	29	1.9	9,854	4.72	465	**	35	-229	+.05	-6	-12
09-09-60 456337 1683549 5-73					15		10,574	4.62	489						
552294 ELMBETH BONANZA.....*		3	12	1-23	20	1.6	10,471	4.27	447	**	30	+363	-.09	+7	+17
07-06-60 496783 1613323 5-73					11		9,192	4.58	421						
552573 BAY MEADOW BILLYS OCN.....*	91-13	36	4	5-82,86,	89	1.5	11,195	4.73	529	11	78	+201	+.02	+11	+15
07-08-60 511244 1849761 5-73				91,92,93	26		11,037	4.71	520						
552574 BAY MEADOW ELITES ORIS.....*		3	9	1-93	14	1.4	11,146	4.45	496	0	26	+88	-.01	+3	+5
07-09-60 483652 1760237 5-73					16		10,890	4.47	487						
552590 DEEP LAKE TRANS FLASH LEADER..*		2	9	2-16,71	11	2.4	9,876	4.68	462	14	25	+27	+.02	+3	+3
08-24-60 453207 1739947 1-73					4		9,740	4.59	447						
552630 BELL LAWN BLITZ.....*		1	24	1-32	24	3.0	9,612	5.06	486	10	28	+82	-.01	+3	+5
04-18-60 475548 1615985 5-73					10		9,241	5.14	475						
552642 ELRASON P OUKE.....*		3	9	1-92	13	3.3	8,804	4.86	428	**	30	-331	+.07	-8	-17
C2-19-58 456380 757993 9-72					27		9,919	4.63	459						
552647 SHAMROCK PRISCILLAS PINNACLE..*	93-02	8	60	4-83,86,	134	2.4	10,850	4.53	492	16	48	-282	+.03	-10	-17
05-22-60 496783 1619287 5-73				87,93	142		11,600	4.48	520						
552672 WANDERING BROOK J V CURTISS...*		3	19	1-21	39	2.8	11,105	4.87	541	17	42	+54	+.01	+3	+4
04-04-58 530291 1588633 5-73					12		11,080	4.89	542						
552724 SHADOW LAWN FLASHS VALIANT....*		3	10	3-23,31,	14	2.4	8,559	4.70	402	15	28	-305	+.04	-10	-17
C6-04-60 475548 1420256 5-73				63	23		9,623	4.57	440						
552738 NORGERTS BEA OEWEY.....*	61-02	30	9	7-31,32,	106	2.0	9,654	4.58	442	20	75	+6	-.06	-5	-5
C5-25-60 498183 1600002 5-73				33,43,65	14		9,604	4.69	450						
552752 MERIT BOY PEER.....*	16-04	31	3	5-13,14,	49	3.4	10,416	4.65	484	17	72	+226	.00	+10	+15
09-03-60 496783 1427728 5-73				16,23,57	21		10,110	4.66	471						
552794 OULUTH S FASHION.....	41-01	19	2	3-41,45,	27	2.4	9,248	4.87	450	9	61	-175	+.08	0	-5
12-10-60 475548 1809161 5-73					9		9,482	4.75	450						
552896 CLEVERLANDS GENERAL ELDORADO..*	35-75	210	18	32-32,35,	781	1.4	11,481	4.54	521	13	93	+978	-.05	+43	+62
06-06-60 530378 1288688 5-73				41,58,93	40		10,468	4.58	479						
552923 CLEAR SPRINGS ROYAL RAYMOST...		2	11	1-57	18	2.7	12,043	4.58	552	15	34	+185	-.07	+1	+6
C5-26-60 516011 1155785 5-73					19		11,650	4.79	559						
552926 VILLA CREST F TRAVELER.....		3	88	2-23,93	92	2.0	11,392	4.85	552	9	30	+91	+.04	+8	+9
C8-14-60 503781 1912865 5-73					27		11,204	4.74	531						
552972 COLBYS RAMBLER.....*		13	12	2-34,63	60	1.9	10,545	4.81	507	35	59	-574	+.11	-16	-31
07-13-60 531527 1819961 5-73					23		11,684	4.66	544						
553011 BAYVILLE JOLLY KASPER.....*		5	29	2-52,72	59	2.0	10,080	4.53	457	14	41	+31	-.02	-1	0
06-22-60 504890 1400043 5-73					62		10,003	4.62	462						
553014 BAYVILLE ROYAL ASTOR.....*		7	16	2-92,93	32	3.2	12,982	5.05	655	7	42	+273	.00	+13	+19
C8-24-60 449539 1586601 5-73					15		12,580	5.10	641						
553074 DEEP LAKE FLASHS HERMES.....*		7	5	3-43,48,	18	2.6	10,064	4.68	471	27	43	+52	+.03	+3	+6
C6-16-60 475548 1403614 5-73				84	46		9,935	4.61	458						
553224 CASTLE BROOK FORTUNE MORRIS...*	91-11	17	3	6-21,23,	28	2.0	9,417	4.67	440	19	59	+100	.00	+5	+7
11-02-60 510634 1288825 5-73				34,35,42	25		9,160	4.68	429						
553226 MCDONALD FARMS MISTER OCN.....*		11	1	6-16,21,	14	2.0	9,123	4.84	442	45	45	-601	+.10	-18	-33
10-11-60 488786 1582420 5-73				31,32,58	25		10,502	4.64	487						
553256 MULHOCAWAY BUTTERFAT METEOR...*		1	18	1-82	18	2.1	9,658	5.03	486	27	25	-126	+.06	0	-4
12-04-60 529775 1731541 5-73					16		10,189	4.82	491						
553398 BO KAY F FLASHLIGHT.....*		4	23	2-32,34	48	2.2	10,158	4.89	497	7	43	-215	+.10	0	-7
C9-15-59 475548 1804720 5-73					19		10,733	4.70	504						
553480 LAND OF LIVING BEN HUR.....*		13	12	4-21,31,	47	1.7	10,582	4.83	511	8	52	+70	+.05	+8	+9
07-06-60 543091 1853407 5-73				35,92	9		10,495	4.76	500						
553581 NOBLE NORMAN OF HAROWICK.....*		4	4	1-14	15	3.1	9,516	4.59	437	13	42	-117	+.03	-2	-5
C8-06-60 390190 1065059 5-73					18		9,774	4.51	441						
553588 GRAIN MEADOW V ROSE KING.....*		4	19	2-32,72	38	2.8	10,777	4.94	532	15	42	-253	+.04	-8	-14
09-21-60 529456 965976 5-73					18		11,531	4.89	564						
553620 GARNAVILLO JIM ROYAL.....*		2	14	1-35	28	3.7	9,456	4.60	435	17	41	+117	+.04	+9	+11
11-06-60 544409 1565094 5-73					12		9,072	4.50	408						
553653 MUNGLES SABIAN SATURN.....*	35-05	13	75	7-33,43,	160	2.2	11,277	4.36	492	6	46	+483	-.03	+19	+30
11-16-59 529508 1736529 5-73				72,73,74	71		10,243	4.39	450						
553660 MUNGLES J C SUPREME.....*		3	51	1-73	64	2.4	10,162	4.29	436	20	33	-31	-.01	-2	-3
10-21-60 511404 1736529 5-73					80		10,284	4.32	444						
553665 LAKE LOUISE C ROYALE.....		1	33	1-52	33	2.3	9,719	4.78	465	0	28	-154	+.03	-4	-8
07-10-60 534854 1175083 5-73					11		10,300	4.71	485						
553667 LYRENE MAY ROSE PRINCE.....*	31-07	587	12	40-23,31,	2,694	1.5	11,056	4.72	522	13	96	+390	+.07	+25	+32
11-14-60 526968 1762507 5-73				34,51,56	28		10,729	4.66	500						
553673 MICKELSEN ELINOR HORNET.....*		3	7	2-86,93	16	2.7	9,432	5.24	494	25	36	-345	+.21	+4	-7
C4-08-59 533389 1714840 5-73					54		10,440	4.66	486						
553689 PENN BRANCH COMETS BUOY.....*		1	43	1-56	43	2.6	8,816	4.76	420	**	29	-257	+.02	-10	-16
07-02-60 505356 1457817 5-73					30		9,667	4.72	456						
553764 GAYOSO VIEW FAMES BEST.....*		7	3	3-16,57,	13	1.7	11,304	4.45	503	25	38	+816	-.06	+31	+50
10-21-60 512974 1637823 5-73				65	43		9,048	4.59	415						
553765 GAYOSO VIEW MELINDA FAVORITE..*		5	11	2-56,58	32	2.7	11,730	4.47	524	17	47	+799	-.06	+30	+49
12-07-60 496783 1911019 5-73					57		10,026	4.60	461						
553771 HAPPY HOLLOW VIOLETS FLASH....*		10	16	2-35,42	47	1.5	9,321	5.06	472	**	45	-227	+.13	+2	-5
C4-04-60 475548 821052 5-73					20		9,809	4.78	469						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS HM/DAU	REC/DAU HERDMATE	MILK	%	FAT	% INC	1ST	REPT	PREDICTED DIFFERENCES MILK	%	FAT	$$
553848 HAJCHS SHINER.....*		1	10	1-23	10	1.6	9,419	4.53	427	**	20		+129	-.01	+5	+8
C2-05-60 435989 I591491 5-73					9		8,626	4.59	396							
553902 CAYUGO VIEW V F ALERT.....*		9	2	4-32,33,	15	2.2	8,699	4.46	388	45	43		-318	-.06	-20	-26
C4-13-60 512972 1781101 5-73				61,73	21		9,376	4.64	435							
553953 FLD RAYS GLORYS PRINCE.....*		8	3	2-33,43	17	2.7	9,587	4.44	426	**	47		-76	-.04	-7	-8
03-20-60 541259 1193654 5-73					16		9,718	4.54	441							
553981 VALLEYSIDE BUTTERFATS NIMP....*		2	28	2-16,35	32	2.4	9,273	4.45	413	**	30		-86	-.02	-6	-8
C2-17-59 479669 1252613 5-73					16		9,513	4.57	435							
554100 ROSEWOOD ROYAL CONVENTION.....*		3	82	3-33,55,	86	3.0	11,506	4.41	507	4	31		+199	-.03	+6	+11
08-28-60 473218 1193761 5-73				56	39		10,965	4.49	492							
554135 RIVEROALE QUEENS DANNY.....		1	22	1-35	22	3.8	7,833	4.37	342	6	29		+2	.00	0	0
C2-05-60 430197 1226787 5-73					11		7,580	4.41	334							
554184 WYNO SULTAN.....*	23-11	21	5	2-23,33	38	2.4	10,596	4.78	506	13	61		+193	+.02	+11	+15
11-22-60 543941 1797865 5-73					23		10,338	4.75	490							
554256 COLOWOOD ROSE ROYAL.....*		3	11	2-51,55	19	2.5	8,759	5.05	442	**	34		-50	+.08	+6	+3
C5-26-60 531284 1368765 5-73					33		8,786	4.79	421							
554282 GLENTYAN BONANZA TITAN.....*		5	7	2-23,51	13	1.2	9,317	4.53	422	**	27		-138	-.02	-8	-11
C2-19-60 496783 1447629 9-72					16		9,808	4.62	453							
554530 LONE ACRES V BRIGADIER.....*		12	16	4-35,63,	53	2.4	9,595	4.60	441	22	51		-345	-.02	-18	-25
11-09-60 529460 1010756 5-73				72,85	26		10,300	4.65	479							
554581 NANUM VUE ROYAL EARL.....		1	29	1-91	29	2.2	9,405	5.00	470	0	27		-119	+.05	-1	-4
C8-05-60 467224 1718079 5-73					27		9,836	4.89	481							
554708 BROWNIES FARMS DREGON.....*	92-01	11	3	3-82,91,	19	2.9	11,326	4.64	525	0	50		+297	-.03	+11	+18
C8-18-60 496783 1828972 5-73				92	32		10,807	4.69	507							
554712 WINEBERG FARMS HI FORTUNE.....*		12	10	2-91,92	46	2.5	11,367	4.65	529	15	57		+366	+.04	+21	+28
C3-07-60 542710 1327704 5-73					26		10,799	4.59	496							
554729 CHEOCO HOLLYHOCKS ACTOR.....*	31-02	40	7	13-23,31,	94	2.3	9,413	4.76	448	16	77		-463	+.05	-17	-28
C4-16-61 523823 1883849 5-73				55,56,82	35		10,012	4.71	472							
554770 KLEINPETER FARMS A NOMAD.....*		1	31	1-72	31	2.7	8,417	4.49	378	15	28		-58	+.02	-1	-3
C3-14-61 547262 1688494 5-73					14		8,473	4.45	377							
554773 BAY MEADOW ST HANK.....*	35-75	112	6	24-21,35,	262	1.4	10,451	4.62	483	18	90		-165	+.02	-6	-10
01-23-61 545361 1760233 5-73				41,55,93	46		10,704	4.62	494							
554829 MCDONALD FARMS BRIGHT EMPEROR.*		1	43	1-74	43	2.7	9,494	4.50	427	16	29		-87	.00	-4	-6
C3-01-61 540033 1686010 5-73					62		9,775	4.54	444							
555030 EDGEWOOD PEERLESS VALOR.....		3	19	2-13,32	39	2.0	9,963	4.30	428	10	41		-200	-.05	-14	-18
C1-11-61 470205 1402880 5-73					54		10,503	4.42	464							
555113 MALZ FARM V VICTOR.....*		6	5	1-35	14	2.9	8,936	5.14	459	15	38		-217	+.18	+8	0
C1-19-61 512972 1835485 5-73					11		9,456	4.61	436							
555128 YELLOW CREEK S QUALIFIER.....*		1	44	1-41	44	2.6	9,490	4.85	460	21	29		-181	+.06	-2	-7
11-17-60 475595 1388019 5-73					7		10,131	4.66	472							
555129 YELLOW CREEK TOP SPOT.....*		12	6	6-31,32,	26	2.6	11,170	4.85	542	5	49		+71	-.04	-1	+1
11-19-60 546396 1869059 5-73				34,43,61	21		11,136	4.98	555							
555132 GREEN VALLEY PATRON.....*		7	57	3-22,23,	68	2.5	9,336	5.02	469	14	33		+65	+.06	+9	+9
11-20-60 503821 1491764 5-73				58	74		9,037	4.86	439							
555211 DUNWALKE CHAMPION.....*		2	8	1-22	14	1.9	11,365	5.02	570	0	30		+33	+.05	+7	+7
10-20-60 422711 1420996 5-73					5		11,393	4.89	557							
555217 EMROY BONAPARTE.....*	21-10	45	2	4-21,23,	66	2.7	10,291	4.75	489	17	80		+160	+.03	+10	+13
09-07-60 496783 1656152 5-73				57,63	24		10,097	4.73	478							
555245 BLUE BOULDER LAD.....*		2	10	1-35	12	3.7	9,973	4.75	474	30	26		-87	+.03	-1	-3
09-27-60 449173 1518541 5-73					19		10,345	4.66	482							
555262 COBBLE CREEK BUNNYS COMMET....*		3	9	1-35	12	3.8	8,607	5.32	458	0	30		-225	+.11	0	-7
10-13-60 443144 1512402 5-73					8		9,296	4.96	461							
555368 SPAR HILL SNOW MAN.....*		6	17	2-23,51	29	2.1	9,058	4.98	451	19	35		-326	+.11	-4	-13
C1-03-61 489468 1867198 5-73					19		9,990	4.67	467							
555390 YELLOW CREEK B SOUVENIR.....*		5	15	2-35,41	27	2.2	9,521	4.90	467	16	36		-282	+.12	-1	-9
12-22-60 547581 1896456 5-73					7		10,348	4.57	473							
555391 YELLOW CREEK TOP HONOR ACE....*	31-07	10	14	5-32,34,	46	2.6	11,279	4.78	539	8	51		-7	+.03	+3	+2
C1-02-61 546396 1869057 5-73				35,57,72	14		11,435	4.72	540							
555396 LOCKSHORE MACAR SULTAN.....*		5	14	1-34	35	3.3	11,018	4.57	504	13	47		+278	-.05	+8	+15
C7-25-60 440484 1790181 5-73					32		10,473	4.67	489							
555568 GRAND LAKE TRANSFERS MAJOR....*		3	7	1-31	13	2.6	9,328	4.18	390	**	32		-4	-.12	-12	-10
09-04-60 453207 1580709 5-73					10		9,268	4.62	428							
555597 MEADOWMARSH BUTTERFAT FLASH...*		11	8	3-41,86,	36	1.8	10,952	4.46	488	**	51		-29	-.06	-7	-7
C3-22-60 475548 1748668 5-73				91	61		11,120	4.58	509							
555722 ADDR TOPNOTCH JUBILEE.....*		1	10	1-93	10	1.3	10,996	5.13	564	25	19		-199	+.09	0	-6
02-21-61 543673 1516235 1-73					16		12,270	4.74	581							
555754 GRAIN MEADOW V LEADER.....*		6	8	2-21,32	18	1.9	8,835	5.00	442	25	34		-212	+.06	-4	-10
C8-22-60 529456 1303971 5-73					12		9,391	4.86	456							
555755 GRAIN MEADOW V IBERLAND.....*		2	50	1-93	54	2.9	10,319	4.66	481	17	31		-113	+.04	-1	-4
12-06-60 529456 1690018 5-73					51		10,757	4.56	491							
555757 SUNNYMEDE SPECIALS SAINT.....*		7	16	1-43	49	2.3	11,451	4.89	561	5	49		+246	+.05	+16	+21
C8-26-60 502177 1803434 5-73					20		11,066	4.84	536							
555857 HOLLIKNOLL BONOS ANSON.....*		1	29	1-52	29	2.0	8,256	4.82	398	30	26		-251	+.03	-9	-15
10-11-60 446227 945721 5-73					13		9,130	4.74	433							
555865 THOMPSONS P FAME.....*		2	10	1-65	20	2.7	10,283	4.39	451	0	36		+115	-.03	+2	+5
C1-17-61 512974 1836226 5-73					18		9,956	4.46	444							
555886 WESTLYNN BONANZA SPLIT.....*		12	11	4-82,91,	44	1.9	9,511	4.58	436	14	52		-590	+.05	-22	-36
C2-09-61 496783 1739320 5-73				92,93	26		10,714	4.51	483							
555954 ELMWOOD JULIETS PLATO.....*		5	22	2-41,42	31	2.7	9,543	5.09	486	23	34		-339	+.10	-6	-15
C3-28-61 546194 1935232 5-73					8		10,595	4.83	512							
555991 WALKER FARMS JERRY.....*		3	56	3-65,72,	62	2.0	12,013	4.60	552	24	30		+377	-.03	+14	+23
C1-22-61 440484 1764187 5-73				74	96		10,828	4.69	508							
556023 EDISTO FARMS G C BLUE.....*		1	26	1-56	26	2.2	8,526	4.56	389	12	27		-57	+.01	-2	-3
C3-10-61 544819 1277886 5-73					19		8,604	4.58	394							

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS REC/DAU HM/DAU	HERDMATE MILK	% FAT	MILK FAT	1ST INC	RERT %	PREDICTED DIFFERENCES MILK	% FAT	FAT $$
556081 RLEASANT VALLEYS E BON DREAM..		2	16	1-42	18 2.3	10,351	4.61	477	33	27	+32	-.01	0 +1
12-03-60 496783 1751456 5-73					7	10,253	4.68	480					
556100 GIPPY STEADFAST COLONEL.....*		4	15	1-56	31 2.6	8,351	4.38	366	25	40	-565	-.03	-29 -41
C1-25-61 538590 1566093 5-73					33	9,758	4.50	439					
556101 GIPRY ROYAL COUNT.....*		6	5	3-55,56,	16 2.2	9,007	4.79	431	9	39	-475	+.09	-13 -25
02-07-61 520163 1357226 5-73				57	59	10,240	4.57	468					
556109 CONOVERS MELBA NERTUNE.....*		5	22	4-22,23,	31 2.2	8,263	5.02	415	31	32	-242	+.06	-5 -11
04-19-61 538103 1822333 5-73				56,58	79	8,904	4.83	430					
556183 WODDACRES KINGS C LEADER.....*		10	10	6-55,56,	38 2.0	8,768	4.64	407	24	51	-458	+.01	-20 -30
C2-15-61 523825 1647514 5-73				57,58,63	47	9,827	4.64	447					
556193 CLEARVIEW FARMS R SAILOR.....*	21-10	29	2	5-11,12,	49 2.1	9,095	4.75	432	17	72	-502	+.12	-12 -25
03-27-61 540546 1645648 5-73				16,21,23	20	9,766	4.60	449					
556200 MCDONALDS J V EMINENCE.....*		2	17	1-21	29 2.9	10,369	4.69	486	3	38	+128	-.01	+5 +8
C2-06-61 530291 1603549 5-73					23	10,030	4.74	475					
556234 ROLY FLASH INDEX.....*	93-16	22	16	5-16,86,	111 1.8	11,931	4.78	570	8	68	+162	+.08	+16 +18
C3-20-61 475548 1732355 5-73				91,92,93	34	11,877	4.67	555					
556243 SCENICS ROMERO.....*		2	13	1-35	15 3.4	10,619	4.53	490	14	28	-61	+.03	0 -2
C1-01-61 443144 1871087 5-73					13	11,151	4.46	497					
556284 RUTTER BROS SUPERIORS REX.....		2	12	1-23	14 1.5	8,443	4.62	390	55	23	+45	-.03	-1 +1
C5-04-61 522908 1513480 5-73					6	8,055	4.85	391					
556533 GUERNSEY LAND M BONUS.....*	21-01	21	1	4-21,23,	22 2.9	9,590	4.46	428	5	60	-237	-.10	-21 -24
C9-20-60 496783 1760195 5-73				58,63	19	9,985	4.67	466					
556572 LAWLER R N AMANDAS BONANZA...*		1	27	1-35	27 1.6	7,766	4.75	369	45	25	-188	+.04	-5 -10
12-14-60 496783 2091330 5-73					6	8,374	4.61	386					
556638 SANDY LANE FLASH ACE.....*		3	51	2-57,85	55 2.4	9,846	4.61	454	12	30	-239	.00	-11 -16
C4-22-61 475548 1844801 5-73					144	10,708	4.66	499					
556671 GRAND VIEW PREDICTORS CHAMP...*		3	9	2-55,58	14 2.6	9,593	4.65	446	27	30	-287	+.05	-8 -15
C3-02-61 547292 1142106 5-73					39	10,619	4.51	479					
556692 HIGH MEADOWS JOLLY INDICATOR..*		4	18	2-21,63	25 3.7	11,384	4.27	486	0	35	+102	-.05	0 +3
02-12-61 439587 1789182 5-73					24	11,211	4.39	492					
556705 U OF M G FELIX.....*		2	8	1-41	10 1.4	7,610	4.78	364	14	22	-183	+.05	-4 -9
08-15-61 512974 1726125 9-72					12	8,291	4.57	379					
556706 U OF M JETHROS FLASH.....*		4	16	2-41,46	27 2.6	8,629	4.99	431	0	36	+21	+.07	+8 +7
C9-16-61 475548 1255243 5-73					31	8,439	4.79	403					
556713 METZGER FARMS MASTER VIC.....*		3	76	2-32,52	89 2.0	10,381	5.07	526	14	32	+3	+.06	+6 +5
04-28-61 536783 1345728 5-73					25	10,411	4.91	511					
556719 FOREST HOMES KING.....*		1	12	1-35	12 3.3	10,741	4.45	478	**	25	+118	-.06	-1 +3
C6-07-61 533416 1579972 5-73					15	10,285	4.76	490					
556765 ROSEWOOD NONAS AMBASSADOR.....*	33-03	278	18	31-21,23,	793 1.5	10,624	4.38	465	13	93	+14	-.16	-15 -12
C5-06-61 498183 1010804 5-73				33,41,85	110	10,673	4.53	484					
556785 JAMES CANYON MINERVAS TRILLON.*		2	16	1-85	21 2.1	10,577	4.43	469	11	30	+75	-.01	+2 +4
11-08-60 546724 1881051 5-73					20	10,357	4.48	464					
556807 IDACREST FAMES PHARAOH.....*		6	15	3-82,85,	36 3.4	10,174	4.57	465	0	46	-138	+.06	0 -4
12-19-58 521451 1371888 5-73				86	69	10,525	4.44	467					
556875 HANOVER HILL BEAU BRUMMEL.....*	21-10	25	1	2-21,63	29 3.1	9,997	4.91	491	11	66	-196	+.12	+3 -4
05-04-61 533099 1430899 5-73					23	10,327	4.74	490					
556896 LAY LAINE EMBLEMS FORTUNE.....*		2	30	1-58	32 2.0	12,186	4.31	525	24	27	+188	+.02	+11 +15
C3-14-61 418022 1684199 5-73					93	11,650	4.17	486					
556944 WINN SCOTSMAN MONARCH.....*		9	14	1-48	33 2.2	9,718	4.73	460	23	42	-45	-.06	-8 -8
02-14-61 536610 1447206 5-73					15	9,837	4.95	465					
556953 MCDONALD FARMS MISTER ELVIS...*		3	32	2-65,72	36 2.6	9,999	4.76	476	12	31	-110	+.03	-2 -5
04-06-61 488786 1909739 5-73					109	10,394	4.70	489					
557032 HOLLIKNOLL ROUD LEADER.....*		13	11	5-23,52,	49 2.3	10,938	4.66	508	9	56	+338	-.02	+14 +22
C8-04-60 500796 1537360 5-73				54,57,58	42	10,330	4.70	485					
557033 HOLLIKNOLL DANNY BOY.....*		4	9	2-51,52	18 3.1	10,312	4.87	502	13	37	+164	+.02	+10 +13
C3-26-61 541674 1069699 5-73					24	9,850	4.83	476					
557071 WHITE HOUSE BRILLIANT LUCKY...*		7	5	3-51,55,	22 1.9	7,848	4.85	381	13	45	-471	+.08	-14 -26
C4-28-61 499468 1620758 1-73				64	20	8,773	4.67	410					
557097 VALLEY VIEW B BJN.....*		4	5	3-82,91,	10 3.3	10,758	4.94	531	0	31	-32	+.02	+1 0
C4-05-61 496783 1652041 5-73				92	39	10,958	4.88	535					
557111 MARGENOELL YEOMAN.....*		1	26	1-33	26 2.5	9,404	4.84	455	19	27	-125	.00	-6 -9
03-06-61 512974 1660942 5-73					15	9,864	4.91	484					
557132 ECKMANS BONANZAS FROBAN.....*		2	15	1-48	17 2.2	10,312	5.34	551	29	26	-152	+.03	-4 -8
C4-07-61 496783 1167341 5-73					19	10,995	5.29	582					
557182 SARIVAL MELODY TRANSFER.....*		1	10	1-85	10 1.2	7,848	3.89	305	**	19	-323	+.01	-14 -21
C9-22-61 457844 1874589 1-73					6	9,541	3.98	380					
557186 GRAYSMARSH MAJESTY.....*		5	18	2-92,93	44 2.8	10,617	4.78	508	0	47	+293	+.05	+19 +24
11-13-60 536917 1520410 5-73					35	9,989	4.70	469					
557190 FRIENDSHIP PRINCE VIRIL.....*		2	21	1-23	23 3.0	11,234	4.37	491	10	30	+221	-.06	+4 +10
02-17-61 529812 1485322 5-73					12	10,540	4.54	478					
557285 VIADUCT LAD.....*		6	24	3-41,42,	52 2.5	8,833	4.76	419	13	44	+28	-.01	0 +1
C4-22-61 517801 1587085 5-73				45	25	8,596	4.85	417					
557313 CLA DRE CASCADES DON.....*		1	63	1-86	63 2.5	10,738	4.57	491	10	30	-265	+.05	-7 -14
11-04-59 533481 1455794 5-73					44	11,817	4.43	523					
557331 LOCKSHORE MASTERBLEND KNIGHT..		5	11	2-34,86	27 2.3	11,696	4.45	520	23	42	+52	-.12	-10 -7
C5-02-61 548556 1616792 5-73					40	11,744	4.74	557					
557348 GUERNSEY LAND BELLES ONWARD...*	31-07	53	13	5-21,52,	215 2.0	10,551	4.70	496	12	82	+449	-.01	+20 +30
C5-05-61 512974 1825683 5-73				54,57,72	23	10,034	4.73	473					
557391 HERMITAGE VIEW FORE DESTINY...*		29	7	12-21,31,	59 2.2	10,011	4.48	448	29	67	-90	-.06	-10 -11
09-01-61 515718 1813555 5-73				32,33,63	26	10,159	4.58	465					
557395 FRANCHESTER CELESTES BONANZA..*		1	12	1-31	12 2.9	10,061	4.69	472	25	24	+20	-.02	-1 0
C2-26-61 496783 1935760 5-73					66	9,974	4.84	483					
557428 NORTHERN L HERMES MILKMAN.....*		5	24	3-22,23,	33 2.5	8,170	4.97	406	19	34	-358	+.04	-13 -22
C9-20-61 542793 1568359 5-73				58	76	9,154	4.88	447					

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS HM/DAU	REC/DAU HEROMATE	MILK	%	FAT	% IST INC	% REPT	PREDICTED DIFFERENCES MILK	%	FAT	$$
557482 APPLEBROOK FAMES CORPORAL.....*	31-07	135	9	17-23,31,	470	1.7	10,625	4.46	474	14	93	+429	-.12	+7	+19
10-26-61 512974 1557296 5-73				32,33,61	16		10,178	4.59	467						
557519 SPAR HILL JOLLY REPEATER.....*		3	16	2-23,51	23	2.3	8,636	5.14	444	0	32	-80	+.11	+7	+3
11-13-61 524993 1694656 5-73					27		8,755	4.78	419						
557542 WOODACRES FLASH.....*		5	26	3-51,52,	41	2.1	12,243	4.84	592	11	36	+509	+.38	+32	+42
08-19-61 475548 1962976 5-73				57	32		10,908	4.66	508						
557543 WOODACRES MASTER CHIEF.....*	23-13	196	17	19-22,23,	987	1.7	10,236	4.69	480	14	95	+123	-.03	+3	+6
09-13-61 425345 1305826 1-73				34,51,52	28		10,115	4.73	478						
557561 TILLAMOOK MEADOWS WILLIE.....*		3	27	1-92	31	1.6	9,426	4.90	462	32	27	-227	+.05	-6	-12
08-17-60 499882 1221991 5-73					53		10,295	4.76	490						
557598 LINDEANS TINA VALIANT.....*		7	36	3-86,91,	54	2.1	10,499	4.51	474	16	36	+14	-.01	0	0
03-21-61 458032 1760815 5-73				92	35		10,507	4.53	476						
557609 SHAMROCK A PRECISEMOST.....*		2	39	2-86,93	41	2.2	12,273	4.50	552	6	29	-21	+.06	+5	+3
05-09-61 514298 1199690 5-73					117		12,607	4.30	542						
557626 RED LEVEL BEAUTY PATRICK.....*		9	2	5-52,55,	14	2.9	10,337	4.51	466	10	47	+335	-.02	+13	+21
10-15-61 499283 1370626 5-73				56,64,72	24		9,573	4.55	436						
557648 PLAINVIEW FARMS BILLY.....		1	12	1-92	12	2.7	11,847	4.63	548	**	24	+215	+.02	+12	+16
11-13-61 511244 1560680 5-73					20		11,049	4.53	500						
557677 HAZEL FARM BELTANE.....*		4	8	1-35	18	2.7	9,878	4.52	446	0	39	-20	-.02	-3	-3
11-22-61 540670 1832715 5-73					19		9,922	4.59	455						
557688 CLEAR SPRINGS BUTTERFAT CHUM..*		13	11	4-55,56,	34	2.3	10,483	4.51	473	13	47	+50	-.02	0	+2
07-31-61 493764 1867905 5-73				57,58	24		10,415	4.55	474						
557696 CLEARBRANCH FLASH BARON.....*		2	25	1-57	27	2.3	9,494	4.88	463	9	28	-172	+.05	-3	-8
08-05-61 475548 1588734 5-73					127		10,126	4.74	480						
557705 DUTCH HILL BILLYS VALOR.....*		4	15	2-35,42	28	2.6	11,050	4.74	524	23	38	-56	+.02	-1	-3
10-25-61 511244 1850985 5-73					12		11,330	4.74	537						
557710 HARMONY FAMES SPOTLIGHT.....*		5	5	2-48,73	18	2.3	11,752	4.37	514	36	43	+477	-.10	+11	+23
04-17-61 512974 1932258 5-73					16		10,711	4.58	491						
557737 LANCES KING BILLY.....*	35-05	37	6	6-34,35,	84	1.4	11,119	4.51	501	23	72	+421	-.13	+6	+18
06-18-61 547459 1928916 5-73				41,42,63	15		10,594	4.66	496						
557754 BAYVILLE ROYAL LANCER.....*		3	11	2-23,55	16	1.8	10,279	4.60	473	7	29	+21	-.01	0	+1
08-19-61 449539 1691286 5-73					16		10,224	4.69	479						
557770 VERNS FAME OF HARPERS FARM....		1	10	1-14	10	2.3	9,968	4.97	495	14	22	-52	+.08	+6	+3
07-13-61 512974 1606256 5-73					13		10,229	4.59	470						
557772 COLBYS MINNIES MONARCH.....*		2	36	2-23,34	38	2.6	11,829	4.72	558	22	29	-2	.00	0	0
07-17-61 512974 1104226 5-73					23		12,042	4.71	567						
557775 COLBYS BOMBER.....*	34-01	17	2	2-32,34	30	2.5	10,259	4.58	470	19	63	+15	-.11	-10	-8
09-11-61 512974 1124343 5-73					15		10,259	4.78	490						
557821 ERWIN FARMS FRANKS SUPERIOR...*		3	12	1-71	26	2.0	9,035	4.26	385	11	38	-85	+.03	-1	-3
11-16-61 540198 1806858 5-73					33		9,177	4.17	383						
557836 NORGERTS ROYAL LEADER.....*		2	23	2-32,72	25	2.9	12,138	4.70	569	22	29	+61	+.01	+4	+5
12-20-61 473218 1546923 5-73					32		12,133	4.68	566						
557896 HIGH MEADOWS JOLLY LAFAYETTE..*	93-16	14	41	4-21,86,	103	2.0	11,752	4.45	523	**	48	+399	-.10	+8	+19
07-30-61 439587 1304977 5-73				91,93	155		11,028	4.63	511						
557899 HIGH MEADOWS REGAL COLLECTOR..*		14	5	8-48,71,	48	1.8	8,795	4.34	382	24	66	-617	.00	-28	-42
10-11-61 543695 1541776 5-73				72,73,74	94		9,706	4.36	423						
557900 NYALA VALORS KNIGHT.....*		2	23	1-32	34	1.8	9,623	4.31	415	26	32	-170	-.03	-11	-14
10-11-61 543818 1985762 5-73					63		10,166	4.44	451						
557944 WOODACRES EMPOREPS JUPITER....*	31-02	11	15	4-31,56,	40	2.6	10,973	4.50	494	13	46	+398	-.01	+17	+26
09-27-61 549588 1413825 5-73				63,72	19		10,138	4.50	455						
557947 WOODACRES MD MASTER.....*		10	28	2-86,93	47	2.1	10,263	4.77	489	26	37	-571	+.08	-19	-33
11-22-61 425345 1577928 5-73					79		11,990	4.60	552						
557948 HOMINY HILL SUNLIGHT.....*		11	27	3-91,92,	75	2.1	11,036	4.86	536	18	50	-115	+.01	-4	-7
10-28-60 422711 1864033 5-73				93	28		11,408	4.87	555						
557949 HOMINY HILL HAROLD.....*		9	12	6-12,23,	42	2.4	10,260	4.68	480	18	52	+179	+.03	+11	+14
01-11-61 547319 1555386 5-73				31,35,56	20		9,936	4.62	458						
557968 JEL EDEN BONAVENTURE.....*	35-05	49	3	9-35,41,	84	2.5	9,988	4.54	453	19	82	+20	-.07	-6	-4
12-07-59 475546 010073635 5-73				42,48,73	25		9,957	4.64	462						
557983 FOREMOST HAPPY STERLING.....*		2	6	1-84	11	3.2	10,685	4.55	486	0	32	+469	-.01	+21	+31
09-25-61 533454 1756017 5-73					13		9,123	4.57	417						
558010 STEDE WELLS WIRTS DUKE.....*		1	15	1-35	15	2.7	10,252	4.89	501	0	25	-52	+.07	+5	+3
02-13-61 530293 1737566 5-73					5		10,514	4.58	482						
558024 GOLD BANNER S GRANT.....*		6	17	2-31,32	26	2.3	10,543	4.62	487	4	33	-30	-.01	-2	-3
10-11-61 475595 1792501 5-73					14		10,705	4.67	500						
558038 OBERSHORN K VICTOR.....*		4	31	2-32,61	61	2.6	10,124	4.62	468	3	44	-28	+.07	+6	+4
06-22-61 515261 1606255 5-73					55		10,209	4.44	453						
558066 CROASDAILE ACTORS ORBIT.....*		1	30	1-55	30	3.0	9,071	4.84	439	10	29	-257	.00	-12	-18
11-17-61 476271 1476554 5-73					54		9,958	4.88	486						
558133 SPRING RIDGE G FALCON.....*	23-09	7	5	3-33,35,	20	2.1	11,225	4.87	547	6	44	+453	+.07	+28	+37
08-20-61 512974 1874596 5-73				85	72		10,210	4.76	486						
558148 WANDERING BROOK J V PEGASUS...*		3	27	2-23,50	37	2.7	10,501	4.68	491	26	34	-29	-.05	-6	-6
10-06-61 530291 1691766 5-73					14		10,649	4.85	516						
558163 GARNAVILLO BEACON.....*		2	8	1-42	16	2.8	9,411	4.68	440	29	35	-115	.00	-5	-8
09-13-61 514133 1477423 5-73					14		9,716	4.71	458						
558188 FALCONS PREDICTOR DAVID.....*		4	18	3-16,23,	23	2.7	10,045	4.45	447	22	31	+65	-.07	-4	-1
11-02-61 533099 1451250 5-73				51	22		9,814	4.73	464						
558232 WESTERN GLOW NODS BONANZA.....		1	20	1-91	20	2.6	9,280	4.36	405	10	26	-181	-.03	-11	-15
03-26-61 546330 1839609 5-73					2		9,976	4.50	449						
558237 HANOVER HILL FAME SUCCESS.....*	33-03	159	3	32-21,23,	296	1.2	10,759	4.29	462	16	92	+604	-.27	-1	+17
11-28-61 512974 1789753 1-73				31,35,56	21		10,112	4.59	464						
558289 EDISTO FARMS STEADFAST KING...*		10	3	5-56,57,	16	1.9	10,232	4.47	457	**	44	-18	-.02	-3	-3
11-11-61 538590 1704410 5-73				58,63,65	48		10,304	4.53	467						
558290 EDISTO FARMS BLZ RANDY.....*		1	21	1-57	21	2.6	10,100	4.90	495	13	27	+15	+.06	+7	+6
11-22-61 543210 1406698 5-73					24		10,044	4.69	471						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS	REC/DAU HM/DAU	MILK HEROMATE	% MILK	FAT %	% FAT	1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
558294 KENMIR ROYAL CAPTAIN.....*		2	9	2-31,57	11	3.1	9,906	4.81	476	27	26	+21	+.02	+3	+3
10-19-61 536269 1703032 5-73					25		9,802	4.73	464						
558308 SUNESLOPE FAME EMORY.....		3	4	1-41	11	2.3	10,488	4.23	444	63	31	+134	-.10	-4	+1
08-04-61 512974 1720287 5-73					11		10,065	4.58	461						
558334 MATOAKA HONOR ROYAL.....*		1	10	1-58	10	3.0	9,281	4.30	399	25	23	+34	-.01	+1	+2
C3-01-59 529009 1565073 5-73					85		9,036	4.29	388						
558346 CLA ORE NIXONS BRANDON.....*		1	69	1-86	69	2.4	12,078	4.40	531	3	29	+228	-.03	+7	+13
C2-02-62 551346 1827329 5-73					45		11,445	4.47	512						
558359 CASTLE BROOK KINGS DAVID.....*		5	8	1-35	15	1.7	8,512	4.42	376	25	30	-13	-.02	-3	-3
10-19-61 536243 1690046 5-73					34		8,394	4.54	381						
558388 ELMWOOD IVYS PRINCE.....*		2	21	1-42	26	3.6	9,729	4.80	467	9	33	+21	+.04	+5	+5
12-14-61 537715 1982997 5-73					9		9,624	4.70	452						
558391 SHAMROCK BON PYRAMID.....*	51-02	55	4	8-23,31,	123	2.9	9,194	4.75	437	12	86	-174	.00	-8	-12
C6-12-61 496783 1619287 5-73				51,52,54	25		9,328	4.78	446						
558434 YELLOW CREEK BFT JOHN GLEN....*		10	9	7-22,23,	36	2.1	10,337	5.03	520	6	52	-153	+.19	+12	+5
C1-15-62 547583 1615757 5-73				31,34,52	78		10,700	4.67	500						
558495 HIGH MEADOWS CHARMER.....*	93-19	4	23	3-31,34,	33	2.4	11,550	4.89	565	13	34	+295	.00	+14	+20
01-31-62 511244 1977642 5-73				61	14		10,751	4.95	532						
558504 TARBELL FAMES MASTERPIECE.....*		7	3	4-52,55,	12	1.8	9,020	4.58	413	30	36	-230	+.02	-9	-14
11-28-61 512974 1221178 5-73				56,64	25		9,617	4.56	439						
558511 SPRUCE SHADOWS M ZEPHER.....*		2	19	1-41	21	3.6	9,281	4.58	425	16	29	+18	-.01	0	+1
11-26-61 527413 1681111 5-73					13		9,131	4.63	423						
558553 FOREMOST HAPPY ACE.....*	23-05	72	5	4-23,43,	191	2.5	8,938	4.88	436	18	89	-643	+.15	-16	-33
12-17-61 533454 1004897 5-73				50,52	15		9,625	4.72	454						
558583 ROSEWOOD NAPOLEON.....*		7	28	2-31,61	54	2.2	10,257	4.66	478	10	41	+45	+.03	+5	+5
C1-10-62 547878 2005016 5-73					9		10,161	4.60	467						
558634 MEADOWMARSH FLASH MASTERPIECE.*	35-21	49	3	5-34,35,	88	2.3	9,719	4.91	477	18	82	-206	+.14	+4	-3
C2-03-61 475548 963160 5-73				41,42,91	14		9,965	4.75	473						
558675 GAYDSO VIEW FAMES M SUPREME...*	21-10	35	2	9-11,12,	49	2.5	9,377	4.75	445	25	74	-536	+.08	-17	-30
10-21-61 512974 1704723 5-73				14,15,21	20		10,116	4.65	470						
558689 MULHOCAWAY BUTTERFAT JUPITER..*		7	8	4-23,31,	20	2.5	10,610	4.80	509	7	40	+150	-.06	+1	+5
10-30-61 525396 1910441 5-73				57,72	17		10,255	4.99	512						
558738 ROSEWOOD V BEACON.....*		12	9	2-35,42	38	3.0	9,159	4.68	429	9	56	-255	+.03	-9	-15
07-22-61 547878 1759580 5-73					8		9,570	4.66	446						
558740 WILLOW SPRING FINANCIER.....*	35-05	46	5	9-32,35,	89	1.9	11,527	4.88	563	10	76	+334	+.12	+28	+33
C6-25-61 503781 1457740 5-73				41,61,63	20		11,208	4.76	534						
558793 GAYDSO VIEW FAMES FOREMOST....*	33-03	49	11	19-23,31,	111	2.2	11,102	4.67	519	15	74	+323	+.02	+17	+24
04-01-61 512974 1572496 5-73				35,43,91	25		10,734	4.66	500						
558894 YELLOW CREEK BFT GYPSY PRINCE.*		7	16	3-32,57,	29	2.1	11,077	4.97	551	17	37	+64	+.11	+14	+13
12-11-61 547583 1420891 5-73				73	12		11,000	4.70	517						
558895 YELLOW CREEK BFT MONOPOLY.....*		5	10	3-35,61,	22	2.5	9,245	5.18	479	14	39	-246	+.13	+1	-7
12-16-61 531473 1589707 5-73				85	30		9,858	4.86	479						
558905 HILL O HOME JOLLY.....		1	27	1-35	27	2.0	8,191	4.52	370	**	26	-42	-.01	-3	-4
09-03-61 543700 1919704 5-73					11		8,168	4.63	378						
558947 HOUSLEYS J CHAMPION.....*	35-75	293	32	41-23,35,	930	1.1	11,191	4.66	521	17	90	+172	+.07	+15	+18
C7-28-61 540627 2001383 5-73				41,52,85	138		11,107	4.58	509						
558962 GRAY HAVEN CHIEF.....*		5	24	2-31,32	47	1.7	9,322	4.61	430	28	39	-347	+.02	-14	-22
C8-02-61 425345 1870763 5-73					10		10,238	4.59	470						
559025 LAVON FARMS LUCKY FLASH.....*		1	15	1-74	15	3.6	10,136	4.64	470	9	27	+93	+.04	+8	+9
02-23-62 548809 1954855 5-73					64		9,767	4.50	440						
559029 MER OONS FOREMOST BEAUTY KING.*		3	37	2-31,57	60	2.3	8,827	4.94	436	16	39	-98	+.03	-2	-5
C6-24-61 518090 1108288 5-73					36		8,978	4.92	442						
559038 ALAN OF OCHERVOIL.....*		1	11	1-35	11	2.1	8,076	4.94	399	17	22	-374	+.05	-12	-21
C7-21-61 530537 1548132 5-73					15		9,744	4.71	459						
559042 LAPO CHALLENGERS CLIPPER.....*		9	1	4-42,43,	10	1.2	9,541	4.48	427	17	34	-17	-.03	-4	-4
C7-10-61 546650 1762903 5-73				48,73	34		9,546	4.60	439						
559109 SERGEANT LAUXMONT.....*		9	17	5-15,16,	42	1.8	10,579	4.75	502	21	43	+134	+.06	+12	+14
03-23-62 510148 1749238 5-73				23,51,52	44		10,293	4.61	475						
559193 CRESTVIEW MEMOS NOBLE.....*		4	7	2-23,58	13	1.5	8,402	4.49	377	9	29	-297	+.03	-11	-18
09-20-61 489690 1416093 5-73					9		9,371	4.43	415						
559231 GUERNSOEL ROMULUS CHIEF.....*		1	28	1-55	28	2.4	9,131	4.71	430	43	26	-109	+.04	-1	-4
05-10-61 510148 1675521 1-73					47		9,497	4.59	436						
559241 BAYVILLE MARINER OF FAME.....*		8	89	5-23,51,	148	1.8	10,502	4.57	480	12	39	+143	-.05	+1	+5
11-20-61 512974 1857606 5-73				52,55,63	116		10,145	4.72	479						
559319 IDEALS FACTOR.....*	35-75	14	28	10-15,22,	53	2.5	10,469	4.77	499	10	42	-76	+.02	-2	-4
C2-27-61 532698 1741972 5-73				23,31,35	69		10,725	4.77	512						
559320 WESTERN GLOW M O MILKMASTER...*		20	17	8-72,86,	96	1.7	11,594	4.53	525	13	62	+211	-.08	+2	+8
08-26-61 512974 1930192 5-73				91,92,93	72		11,389	4.64	528						
559336 SPRING FLDS FAMES LAD.....*		3	13	2-35,85	17	2.3	10,679	4.56	487	31	28	-24	-.02	-3	-3
C4-19-61 512974 1901875 5-73					49		10,851	4.64	504						
559341 MINELOA NICK.....*		1	10	1-41	10	2.2	9,132	4.58	418	**	22	-52	.00	-2	-3
07-05-61 512974 1665720 9-72					15		9,299	4.58	426						
559351 DEEP LAKE FLASHS JETHRO.....*		6	31	5-16,21,	42	2.6	11,362	4.93	560	8	34	-120	+.06	0	-4
11-17-61 475548 1308140 5-73				22,23,51	22		11,907	4.81	573						
559419 BROWNIES FARMS OFFICIAL.....*	91-13	52	4	10-41,47,	110	2.2	9,991	4.80	480	17	83	-369	+.11	-6	-16
C2-27-62 496783 1926898 5-73				82,91,92	18		10,481	4.68	491						
559433 GOLDEN HARVEST MIGNOT.....*	21-10	13	1	1-21	17	2.5	10,308	4.67	481	35	51	-84	-.02	-6	-7
11-02-61 505970 1408176 5-73					16		10,526	4.73	498						
559464 BAY MEADOW CHAMPION COUNT.....*		1	20	1-93	20	3.1	11,833	4.29	508	19	27	-37	-.01	-3	-4
C1-13-62 549804 1884300 5-73					43		12,187	4.33	528						
559484 GRAYCE FARMS FOREMOSTS JESTER.*	35-75	13	19	4-33,41,	47	2.4	10,594	4.44	470	12	46	+420	-.05	+14	+24
C1-31-62 518090 1398688 5-73				43,48	17		9,651	4.53	437						
559485 MAURANA FINANCIERS GALIANT....*	35-05	42	4	6-32,35,	89	2.4	9,526	4.77	454	17	80	-202	+.04	-5	-10
07-01-61 503781 1179397 5-73				41,42,48	16		9,754	4.74	462						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES AND- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS	REC/DAU	MILK	%	FAT	1ST %	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
559490 MANOR BRIGHT LAD.....*		2	37	1-51	39	2.4	9,385	5.09	478	8	29	-40	+.04	+2	0
C3-17-62 499468 1508815 5-73					87		9,473	4.98	472						
559495 REDLAND GOLDBELLES IKE.....*		1	10	1-92	10	3.7	9,656	4.55	439	0	25	-122	-.01	-7	-9
05-20-60 533398 1525569 5-73					31		10,170	4.65	473						
559543 SPRUCE SHADOWS M THOR.....*		5	33	1-41	40	2.0	10,413	4.24	442	3	30	-101	-.01	-6	-8
C4-03-62 527413 1263440 5-73					19		10,828	4.29	464						
559629 YELLOW CREEK BUTTERFAT PONTIUS*		4	18	1-32	23	2.0	10,174	4.54	462	17	30	-137	.00	-6	-9
02-14-62 475595 1418197 5-73					13		10,709	4.56	488						
559671 MCDONALD FARMS 8 EMBASSADOR...*		8	19	2-23,52	46	2.4	10,509	4.73	497	10	46	+266	-.01	+11	+17
12-17-61 511244 1810843 5-73					17		9,921	4.78	474						
559672 MCDONALD FARMS JV EDUCATOR....*		3	17	1-21	21	2.4	11,320	4.80	543	10	30	+20	+.03	+4	+4
12-25-61 330291 1977108 5-73					14		11,390	4.71	537						
559673 MCDONALD FARMS JV FREEMAN.....*		4	14	1-21	21	2.5	10,022	4.81	482	20	33	-21	+.03	+2	+1
01-07-62 530291 1799675 5-73					25		10,097	4.72	477						
559695 NORGERTS ROYAL TIM.....*	35-75	83	12	21-23,32,	196	1.7	11,309	4.47	505	20	81	+364	-.19	-3	+9
01-08-62 473218 1956000 5-73				35,41,86	27		10,953	4.70	515						
559716 HOMEWOOD W P LEO.....*		9	36	6-23,52,	51	2.2	12,012	4.66	560	17	34	+273	-.02	+11	+17
12-06-61 545951 1745546 5-73				54,55,56	39		11,344	4.72	535						
559728 BROWNIES FARMS DLANDO.....		1	64	1-92	64	2.3	10,834	4.48	485	13	29	-69	-.04	-7	-8
12-06-61 550232 1828972 5-73					16		11,192	4.65	520						
559729 QUEENS P QUINTIN OF EXCELSIOR.*		2	7	1-35	12	2.2	8,540	4.95	423	50	29	-349	+.03	-13	-21
12-26-61 542524 1327688 5-73					21		9,725	4.86	473						
559799 GRANOVU L M CASEY.....*		2	27	1-35	29	2.5	9,532	4.74	452	23	28	-93	-.03	-7	-9
04-29-61 440484 1748826 5-73					28		9,845	4.91	483						
559854 MCDONALD FARMS REGAL FASHION..*	93-16	5	105	1-93	122	1.9	10,749	4.58	492	11	32	-43	-.01	-3	-4
C4-15-62 543695 1943570 5-73					199		10,981	4.63	508						
559889 MATOAKA LUCIUS ROMULUS.....*		1	19	1-58	19	1.8	9,347	4.23	395	47	24	-215	.00	-10	-15
C7-01-61 467477 931322 5-73					82		10,290	4.27	439						
559947 U OF M D FAME.....*		4	12	2-41,45	29	1.7	8,047	4.73	381	24	39	-325	-.01	-16	-23
10-27-61 512974 1677037 5-73					24		8,748	4.81	421						
560010 RIDGE VIEW BRIGADIER STAR.....*		6	12	2-33,35	22	2.7	9,970	4.55	454	6	37	+74	-.05	-2	+1
C4-08-62 552424 16667C3 5-73					13		9,743	4.74	462						
560029 LYRENE FINANCIER.....*		8	24	7-16,31,	43	2.3	11,144	4.93	549	9	39	+199	+.01	+10	+14
C2-24-62 503781 1762507 5-73				32,34,35	13		10,696	4.95	529						
560067 YELLOW CREEK BUTTERFAT SUCCESS*	31-02	38	5	14-23,31,	80	2.4	10,305	5.15	531	18	77	-706	+.31	-4	-25
C4-01-62 493764 1896456 5-73				32,56,57	25		11,362	4.81	546						
560072 MCDONALD FARMS RC FARREL.....*		9	4	2-23,52	24	1.8	11,296	4.80	542	18	49	+543	+.06	+31	+42
05-11-62 548194 1805851 5-73					55		10,194	4.71	480						
560082 BAYVILLE DUKE OF SUSSEX.....*		4	14	1-52	24	2.4	8,509	4.51	384	19	35	-333	.00	-15	-22
01-21-62 535492 1726584 5-73					45		9,400	4.54	427						
560084 BAYVILLE BILLY JESTER.....*		1	28	1-52	28	2.2	8,653	4.81	416	18	27	-47	.00	-2	-3
C2-06-62 511244 1755185 5-73					10		8,698	4.87	424						
560088 BAYVILLE VERITY ENSIGN.....*		2	10	1-55	12	2.3	10,438	4.54	474	**	25	-41	.00	-2	-3
C4-02-62 546149 1755186 5-73					26		10,671	4.56	487						
560090 CLOVERLAND 8 LEADER.....*		4	22	3-22,23,	28	2.3	11,127	4.61	513	18	31	+274	-.02	+11	+17
C2-11-62 499468 1473520 5-73				51	37		10,256	4.68	480						
560110 PINE RIDGE BLIMP.....*		2	7	1-35	14	2.0	9,565	4.78	457	14	31	-201	+.05	-4	-9
08-19-61 549682 1435961 5-73					23		10,229	4.62	473						
560119 PLEASANT HILL FARMS F DEPUTY..*		1	12	1-65	12	1.3	9,955	4.17	415	0	19	-28	-.02	-3	-3
05-01-61 512974 1336117 1-73					12		10,113	4.26	431						
560155 MULHOLLAND BUTTERFAT ASTRONAUT*		3	39	1-51	43	2.7	8,728	5.26	459	0	31	-305	+.17	+2	-8
01-31-62 493764 1731541 5-73					32		9,678	4.68	453						
560156 MULHOLLAND BUTTERFAT PETER....*		4	9	4-22,23,	16	2.4	9,726	4.83	470	17	32	-204	+.07	-3	-9
02-22-62 525396 1584035 5-73				32,51	31		10,403	4.67	486						
560183 LOCKSHORE K FORESQUIRE.....*	35-05	116	12	12-23,32,	309	1.5	10,967	4.76	522	19	87	+25	+.09	+10	+9
02-07-62 552662 2029477 5-73				34,35,42	26		11,040	4.67	516						
560237 HOMINY HILL JOLLY.....*		9	3	4-16,22,	14	2.4	9,511	4.72	449	7	43	-233	+.08	-3	-10
C1-20-62 547319 1228170 5-73				23,56	25		10,062	4.55	458						
560240 HOMINY HILL DELITE.....*		4	24	2-23,52	36	2.3	13,351	4.74	633	6	35	+375	-.01	+16	+24
C2-06-62 547319 1703472 5-73					25		12,515	4.81	602						
560248 HOMINY HILL HERDSMAN.....*	35-05	58	4	6-33,35,	133	2.1	10,678	4.54	485	20	86	+260	-.12	0	+8
C4-16-62 547319 1801348 5-73				41,42,57	17		10,414	4.70	489						
560296 WOODACRES MDS GEM.....*		5	21	4-23,51,	33	2.7	9,653	4.74	458	10	36	-17	+.03	+2	+1
C1-29-62 425345 1751759 5-73				52,55	115		9,668	4.66	451						
560345 SUNRAYS BONANZA TRANSFER.....*		1	21	1-72	21	3.2	6,160	4.53	279	0	28	-209	+.03	-7	-12
01-28-62 496783 1982940 5-73					38		6,574	4.44	292						
560361 FLO RAYS E BOND.....*		4	30	1-43	61	2.4	10,248	4.85	497	5	44	+110	+.02	+7	+9
06-14-62 529281 1610572 5-73					13		9,993	4.82	482						
560377 MAPLE DAWN FASHIONER HAP.....*		3	8	1-34	25	1.9	9,607	4.83	464	24	43	-471	-.01	-23	-33
03-09-62 505613 1929456 5-73					14		10,782	4.89	527						
560406 LOMALITA VALOR.....*		3	8	1-48	11	2.5	8,716	4.52	394	11	27	-108	-.02	-7	-9
C7-18-61 529980 1543716 5-73					15		9,027	4.64	419						
560468 FAT X FAME MAX.....*		1	20	1-61	20	2.3	10,977	4.48	492	11	26	+214	+.01	+11	+16
C3-23-62 512974 2041048 5-73					5		10,153	4.41	448						
560477 CLEARVIEW FARMS CHIEF.....*	21-10	50	2	8-11,13,	72	1.9	9,940	4.64	461	20	79	-208	+.03	-7	-12
C4-09-62 425345 1645648 5-73				14,15,21	21		10,225	4.62	472						
560537 FLO RAYS WINSOM.....*		10	3	2-33,43	20	2.5	8,772	4.71	413	0	52	-424	+.08	-12	-23
C2-11-62 529281 1726452 5-73					18		9,548	4.56	435						
560515 GRAIN MEADOW V NOBLEMAN.....*		2	12	2-35,85	14	3.0	10,219	4.77	487	15	27	-158	+.03	-4	-8
01-30-62 529456 1652734 5-73					53		10,889	4.69	511						
560637 CHEDCO LORRAINES PEER.....*		5	15	3-31,61,	24	2.6	10,175	4.31	439	30	34	-538	.00	-25	-37
C4-05-62 523823 1493307 5-73				72	16		11,974	4.36	522						
560676 PRISCILLAS PENSIVE BONANZA....*		1	23	1-72	23	2.4	6,903	4.30	297	0	27	-77	-.02	-6	-7
C3-21-62 496783 1830206 5-73					41		6,880	4.45	306						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HO	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS HM/DAU	REC/DAU HEROMATE	MILK	% MILK	FAT	% FAT	1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
560723 HORSE SHOE HERMES GLADIATOR...*		1	20	1-15	20	2.0	8,734	4.44	388	6	25	-18	.00	-1	-1
01-07-62 548544 1638942 5-73					11		8,675	4.51	391						
560764 TIDELAND BUDS HERO.....*		4	32	2-35,48	63	2.6	6,988	4.70	422	15	43	-80	-.05	-9	-10
06-05-62 540160 1349559 5-73					18		9,079	4.88	443						
560834 PECKS ROSE KINGS OANOY.....*		3	12	1-33	16	2.8	10,428	4.61	481	6	29	+194	-.01	+8	+12
05-04-62 453762 1707725 5-73					15		9,735	4.65	453						
560836 CHEOCO BONANZAS ACTOR.....*	35-02	27	4	3-14,33,	46	2.6	10,343	4.60	476	22	68	+38	-.09	-7	-5
05-11-62 496783 1570447 5-73				35	20		10,316	4.76	491						
560915 YELLOW CREEK TOP GENERAL.....*		5	8	2-32,57	29	2.0	10,341	4.74	490	4	47	-72	+.01	-2	-4
05-31-62 546396 1480184 5-73					21		10,550	4.75	501						
560917 FERNBROOK REFLECTORS NUGGET...*		1	36	1-84	36	2.7	12,036	4.79	576	16	29	+189	+.01	+10	+14
02-03-62 515260 1813971 5-73					14		11,526	4.77	550						
560978 NORGERTS VANCE RANOY.....*		8	4	3-33,57,	26	1.8	8,852	4.61	408	0	51	-260	-.03	-15	-20
06-10-62 533769 1923330 5-73				73	25		9,293	4.69	436						
560999 MAPLE HILLS EDWARD P.....		1	23	1-41	23	2.1	8,803	4.31	379	**	26	-236	-.04	-15	-19
05-16-62 543828 1953672 5-73					4		9,696	4.52	438						
561060 SPRING RIDGE GALLANT LAD.....*		7	2	2-35,85	12	1.7	9,462	5.15	487	**	38	-550	+.24	-3	-19
05-15-62 382418 1416760 5-73					107		10,998	4.86	501						
561078 RIVERVIEW ILLETAS KING.....	91-13	22	2	6-41,42,	30	1.9	9,365	4.99	467	13	63	-475	+.23	0	-14
03-15-62 524064 1787052 5-73				91,92,93	22		10,129	4.63	469						
561120 GUERNSOEL FREO.....*		10	7	4-55,56,	30	2.4	10,302	4.81	496	13	51	-62	+.10	+7	+4
11-14-61 510148 1807122 5-73				64,74	42		10,469	4.63	485						
561127 HULLSIDE BONANZAS CHAMP.....*		4	14	3-23,51,	19	3.0	10,950	4.67	511	6	31	+122	-.05	+1	+5
06-06-62 496783 1930036 5-73				54	12		10,621	4.82	512						
561203 HIPPS S ZEBO.....*		1	19	1-56	19	3.2	8,245	4.68	386	6	27	+35	+.02	+4	+4
09-04-61 505071 1581586 5-73					20		7,903	4.56	360						
561225 SANDCUT TOP C ANOY.....*		15	3	5-32,33,	27	1.9	11,059	4.50	498	30	56	+286	-.07	+6	+14
07-18-62 549235 1989280 5-73				35,42,43	16		10,610	4.63	491						
561238 GOLDEN GLADE NOBLE CLETIS.....*		3	6	2-34,57	13	1.6	9,406	4.58	431	50	31	-33	-.01	-3	-3
01-05-62 489690 1730496 5-73					7		9,459	4.67	442						
561274 IDEALS ADDISON.....*		6	45	3-23,33,	54	2.7	8,730	4.66	407	2	34	-179	-.01	-9	-13
09-28-61 540198 1193752 5-73				42	14		9,176	4.72	433						
561278 IDEALS SHERMAN.....*		1	61	1-23	61	3.0	9,023	5.02	453	2	31	-210	+.07	-3	-9
12-14-61 540198 1918664 5-73					30		9,676	4.83	467						
561340 GOLDEN PALACE RAY.....*		8	2	4-55,56,	13	2.2	10,339	4.59	475	20	42	-128	+.06	0	-4
05-23-62 511244 1565909 5-73				63,64	27		10,714	4.47	479						
561417 BROWNIES FARMS BANKER.....*		6	24	3-33,91,	42	2.4	11,679	4.81	562	3	39	+512	+.02	+26	+37
07-01-62 549342 1726595 5-73				92	45		10,414	4.79	499						
561435 REED FARMS BILLY SENSATION....*		3	13	1-23	21	2.0	11,007	4.54	500	15	33	+148	-.05	+2	+6
07-16-62 511244 1144655 5-73					47		10,612	4.69	498						
561464 SUNESLOPE E E ELTON.....		1	17	1-42	17	2.1	8,052	5.06	408	29	23	-187	+.05	-4	-9
08-28-61 524393 1817456 5-73					15		8,738	4.85	424						
561468 ANSMIL CHAMPION CHUM.....*	31-07	75	5	12-31,32,	206	2.2	10,695	4.28	458	16	89	+629	-.36	-9	+12
06-17-62 422711 1882795 5-73				33,65,84	16		9,984	4.71	470						
561474 APPLEBROOK VERNS GALLANT.....*		4	8	2-23,51	19	2.4	9,624	4.71	463	12	38	+119	.00	+5	+8
03-06-62 524993 1697627 5-73					22		9,453	4.75	449						
561475 APPLEBROOK VERNS TRAVELER.....*		3	13	2-21,57	20	1.8	8,132	5.24	426	21	30	-434	+.13	-8	-20
08-14-62 524993 1541088 5-73					28		9,526	4.78	455						
561481 ADDHR PRINCE ANGER.....*	93-02	2	60	2-86,93	62	1.7	10,598	4.65	493	15	28	-66	+.03	0	-2
07-07-62 491754 1633531 5-73					234		10,926	4.59	501						
561493 CHARLESCOTE W FORECASTER.....*		1	19	1-14	19	2.5	11,211	5.12	574	37	25	-251	+.15	+3	-5
02-28-62 549372 1470070 5-73					9		12,459	4.60	573						
561537 ORELLA VICTORYS IVAN.....*		1	28	1-93	28	1.3	8,248	4.53	374	**	24	-96	.00	-4	-6
09-05-62 533739 1302552 5-73					15		8,509	4.56	388						
561564 DEEP LAKE FLASHS ANSON.....*		3	37	2-16,52	46	2.0	9,321	4.72	440	21	32	+18	-.01	0	+1
06-20-62 475548 1779711 5-73					27		9,179	4.78	439						
561581 WALKER FARMS TONY MIDAS.....*		1	32	1-65	32	2.8	11,300	4.39	496	0	29	+22	-.01	0	+1
11-22-61 512215 1574940 5-73					25		11,356	4.41	501						
561612 HOLLANOS M P ANTHONY.....*		1	18	1-55	18	2.7	7,137	4.51	322	0	26	-316	+.02	-13	-20
11-14-60 472164 1678081 5-73					7		8,155	4.48	365						
561627 FRIENDSHIP MARIEL PEERLESS....*		4	4	2-23,54	10	3.1	11,360	4.47	508	0	35	+502	-.05	+18	+30
04-08-62 540075 1414954 5-73					24		9,890	4.60	455						
561643 LISETER BRILLIANT BLAZER.....*		10	3	6-12,13,	19	1.5	9,579	4.58	439	39	46	-307	+.02	-12	-19
08-11-62 499468 1429844 5-73				16,21,23	31		10,275	4.56	469						
561677 MULHOCAWAY BUTTERFAT HALYARO..*	23-09	2	37	2-23,52	39	1.9	11,790	4.65	548	12	27	+298	+.02	+16	+22
10-05-62 493764 1492941 5-73					43		10,754	4.56	490						
561711 ROSEBUD FARM VALIANT JIM.....*		6	2	1-42	11	2.9	9,538	4.80	458	0	41	+278	.00	+13	+19
05-09-61 547477 1567242 5-73					17		8,725	4.83	421						
561738 EAST MALTA LADY FAME.....*		6	15	1-23	52	2.3	9,102	4.83	440	19	53	+31	+.08	+9	+8
04-30-62 512974 1593060 5-73					19		8,934	4.68	418						
561763 FEURA MO NEPTUNE.....*	16-04	29	2	5-11,14,	41	2.8	10,692	4.66	498	11	72	+351	+.01	+17	+25
05-09-62 425345 1940621 5-73				16,21,23	20		10,221	4.65	475						
561785 VALKOMNA INCOMMANO.....*		3	18	1-48	29	2.7	9,328	4.73	441	0	37	-26	-.03	-4	-4
08-15-62 549235 2032575 5-73					16		9,332	4.85	453						
561794 S I U SIR FAME ANNA FRANK.....*		3	5	2-33,43	12	2.0	8,382	4.57	383	43	32	-114	-.03	-8	-10
07-31-62 512974 1966707 5-73					17		8,604	4.72	406						
561842 WESTERN GLOW BEAUTY BUTTERFAT.*	31-02	40	2	13-31,51,	61	2.3	9,476	4.74	449	12	77	-297	+.04	-10	-17
10-10-62 493764 1930192 5-73				54,55,56	32		9,843	4.70	463						
561844 BAY MEADOW CHAMPION.....		1	39	1-93	39	1.4	9,853	4.64	457	15	25	-192	+.03	-6	-11
08-20-62 549864 1826820 5-73					67		10,709	4.57	489						
561859 WALNUT GROVE TROOPER.....*		1	36	1-23	36	3.4	9,939	4.84	481	3	30	+91	+.03	+7	+8
05-06-61 529641 1378628 5-73					35		9,593	4.76	457						
561873 LAJXMONT MAXIM.....*	21-10	44	5	10-14,16,	97	2.8	11,247	4.68	526	15	82	+384	.00	+18	+26
10-12-62 510148 1517845 5-73				21,23,57	24		10,860	4.68	508						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS REC/DAU HM/DAU	HEROMATE	MILK	%	FAT	% IST INC	REPT	PREDICTED DIFFERENCES MILK	%	FAT	$$
561874 HANOVER HILL MJ CZAR.....*	51-02	40	2	5-23,31,	63	2.5	8,767	4.75	416	17	78	-355	.00	-16	-24
08-09-62 425345 1354779 5-73				51,52,54	25		9,136	4.76	435						
561924 EDISTO FARMS 8LZ BRIGHTSTAR...*		3	14	1-56	25	1.7	8,755	4.57	400	28	34	-220	.00	-10	-15
06-18-62 543210 1534348 5-73					38		9,331	4.61	430						
561937 WALKER FARMS TINY JAKE.....*		1	24	1-65	24	2.1	11,391	4.64	529	23	26	+35	-.02	0	+1
09-27-62 512215 1396841 5-73					104		11,402	4.71	537						
561963 JO BE HALLMARKS JAY.....*		4	14	4-23,33,	19	1.6	9,806	4.77	468	61	28	-351	+.06	-10	-19
09-12-62 529592 1670548 5-73				47,82	15		11,187	4.58	512						
562002 COLBYS JEWELER.....*	61-02	8	2	1-34	12	1.8	11,375	4.74	539	20	40	+87	-.02	+2	+4
10-06-62 475595 1819961 5-73					25		11,279	4.81	542						
562011 IDEALS RAMBLER.....*		2	9	1-23	17	3.3	9,730	4.92	479	6	36	+28	+.03	+4	+4
08-29-62 532698 1871535 5-73					39		9,610	4.88	469						
562018 NORGERTS NANCE PEDRO.....*		1	24	1-33	24	2.3	8,413	4.56	384	10	26	-78	.00	-4	-6
10-15-62 533769 1838298 5-73					12		8,566	4.61	395						
562021 NORGERTS NANCE FORWARD.....*	33-03	359	7	39-23,31,	1,026	1.8	10,123	4.63	469	13	97	+57	+.05	+8	+8
11-24-62 533769 1600002 5-73				33,35,41	27		10,069	4.58	461						
562072 ERWIN FARMS GLORYS FAME.....*		2	12	1-71	14	2.3	7,681	4.26	327	**	26	-167	+.01	-8	-12
05-06-62 512974 1393345 5-73					34		8,217	4.25	349						
562073 SPRING FLD FAMES OEL.....		3	5	1-35	11	1.6	9,995	4.56	456	**	23	-10	.00	0	0
04-20-62 512974 1901875 5-73					20		10,034	4.55	457						
562098 GAYDSO VIEW FAMES PATRIARCH...*	23-09	13	19	4-23,33,	42	1.9	11,681	4.45	520	10	42	+608	-.08	+19	+34
03-13-62 512974 1572496 5-73				35,51	17		10,245	4.64	475						
562133 HOMINY HILL PROMISE.....*		1	29	1-22	29	1.9	9,839	4.72	464	4	26	+207	+.02	+12	+16
10-29-62 493764 1608116 1-73					15		8,920	4.64	414						
562137 SPRING LANE BON COLONEL.....*		1	19	1-31	19	2.3	8,564	4.60	394	41	25	-117	+.01	-4	-7
10-04-62 550942 1971398 5-73					8		8,926	4.56	407						
562158 LAJXMONT BOHEMIAN.....*	61-02	28	6	4-23,31,	66	1.9	8,524	4.76	406	23	70	-369	+.06	-11	-20
11-06-62 510148 1332669 5-73				33,61	16		8,942	4.67	418						
562199 BJN FLASH OF SQUAREWOODS FARM.*	21-10	40	3	9-11,13,	74	2.5	9,915	4.76	472	25	79	-144	+.11	+4	-1
12-02-62 496783 1998570 5-73				14,16,21	19		10,106	4.63	468						
562216 QUAIL ROOST FAMES PREDICTION..*		3	7	3-52,55,	15	2.1	8,991	4.74	426	**	34	-138	.00	-6	-9
10-25-62 512974 1557287 5-73				57	33		9,325	4.78	446						
562234 MCDONALD FARMS JV FOREMAN.....		2	38	2-21,23	44	2.0	8,294	4.98	413	22	29	-193	+.03	-6	-11
10-24-62 530291 2019673 5-73					19		8,834	4.90	433						
562256 JOY HILL C VICEROY.....*		5	10	2-32,61	27	2.2	8,165	4.95	404	5	43	-397	+.12	-7	-18
01-08-62 422711 1972824 5-73					9		8,991	4.65	418						
562282 FIRESIDE EVELYNS FAME.....*		5	16	3-31,57,	26	2.6	8,264	4.59	379	4	37	-323	-.03	-18	-25
01-17-62 512974 1816678 5-73				92	42		9,035	4.73	427						
562288 RIVEROALE RIVAL LADDIE.....		1	24	1-35	24	1.8	6,784	4.26	289	25	25	-403	.00	-19	-28
09-29-62 518025 1419611 5-73					12		8,232	4.37	360						
562296 MICKEY OF FOX BROOK FARM.....		1	10	1-16	10	3.0	8,474	4.53	384	25	24	-186	-.01	-10	-14
05-13-62 549499 1741891 5-73					25		9,184	4.63	425						
562327 BYE GEORGE BARNARD.....*		3	8	1-85	11	1.5	11,564	4.37	505	18	24	+131	.00	+6	+9
10-20-62 549032 1692702 5-73					94		11,133	4.32	481						
562339 BOMIR TRUMPETERS HENRY.....*		1	14	1-56	14	1.8	6,082	4.57	278	30	22	-523	+.01	-23	-35
04-27-62 494916 1675636 5-73					17		8,267	4.56	377						
562340 MATOAKA T VICTOR.....*		1	33	1-58	33	1.9	11,246	4.17	469	14	26	+172	-.04	+4	+8
02-15-62 542518 1843103 5-73					70		10,652	4.25	453						
562351 NORGERTS BEA NANCE DIAMOND....*		1	30	1-51	30	2.1	9,358	4.62	432	0	27	-3	-.05	-5	-4
01-01-63 478183 1955701 5-73					39		9,299	4.89	455						
562370 GOLDEN GLOW FOREMOST PAL.....*		1	12	1-31	12	2.3	9,501	4.77	453	27	23	-66	-.02	-5	-6
05-07-62 547558 1871347 5-73					17		9,765	4.91	479						
562387 BROWNIES FARMS OUTLAW.....*		4	28	2-82,92	37	2.5	10,194	4.88	497	9	34	-9	+.08	+8	+6
10-26-62 488736 1581488 5-73					18		10,244	4.63	474						
562401 LU ACRES COMMANDS BELVEDERE...*		1	10	1-82	10	2.5	10,150	4.43	450	13	23	-110	-.02	-7	-9
10-05-62 549235 1850823 9-72					11		10,714	4.55	488						
562414 RIVERVIEW CLEMENTINE ADVANCER.*		2	18	2-82,92	20	2.0	6,927	5.12	457	20	26	-377	+.10	-8	-18
05-30-62 524064 1044566 5-73					15		10,409	4.77	496						
562416 SOFT GOLD HOPES BILLY.....*		7	13	3-48,71,	32	2.8	10,593	4.42	468	7	44	-16	-.01	-2	-2
04-19-62 511244 1685198 5-73				73	20		10,700	4.45	476						
562452 BENIGN FAME BERNICES MAJOR....*		1	49	1-72	49	2.0	9,472	4.50	426	7	28	-50	+.01	-1	-2
08-26-62 512974 1460738 5-73					125		9,615	4.49	432						
562485 NYALA ATHENAS ROYAL.....*	35-05	45	3	6-35,41,	83	2.4	10,217	4.56	466	21	82	+77	-.08	-5	-2
06-10-62 425345 1942703 5-73				42,58,63	25		10,133	4.68	474						
562495 MAJRANA FAMES BTFT GUARDIAN...*	35-03	6	5	1-35	18	1.9	8,810	4.40	388	15	42	-315	-.08	-22	-28
09-18-62 512974 1179397 5-73					13		9,520	4.62	440						
562503 DULUTH S YUKON.....	41-01	33	3	8-35,41,	61	2.1	10,423	4.80	500	10	75	+274	+.09	+22	+26
12-29-62 475595 1809161 5-73				45,48,82	12		10,060	4.69	472						
562504 DULUTH F YODELER.....	41-01	50	8	9-41,42,	120	1.6	9,183	4.77	438	21	78	-538	+.11	-14	-28
01-09-63 475595 1961016 5-73				47,91,93	12		9,658	4.64	457						
562505 MCDONALD FARMS JV FABULOUS....*		7	2	7-13,31,	11	1.8	10,231	4.54	464	10	37	-185	-.05	-13	-16
11-06-62 530291 1582424 5-73				32,35,55	33		10,807	4.67	505						
562511 LOCUST HILL T C ANDY.....*		2	12	1-31	19	2.4	11,274	4.21	475	0	34	+718	-.16	+16	+35
11-01-62 549235 1950562 5-73					17		9,039	4.69	424						
562518 TWIN OAKS FAME BEAU.....		1	21	1-51	21	3.1	8,455	4.48	379	6	27	+51	-.03	-1	+1
06-10-62 512974 1366917 5-73					7		8,073	4.69	379						
562635 CLEVERLANDS ORIAN.....*		4	28	1-93	34	1.9	12,291	4.21	517	16	29	-205	.00	-9	-14
11-10-62 530378 1288688 5-73					118		13,321	4.20	560						
562640 TIDELAND ASTORS HERO.....*		6	9	2-91,92	23	2.2	11,715	4.90	574	25	42	+181	+.01	+9	+13
01-26-63 553014 1466434 5-73					37		11,418	4.93	563						
562672 HAPPY HOLLOW FLASHS SAMMY.....*		1	10	1-35	10	1.9	8,412	4.80	404	22	21	-66	+.03	0	-2
07-26-62 553771 1573623 5-73					12		8,587	4.70	404						
562683 LYRENE PRINCE OJN.....*	33-03	11	6	5-23,31,	32	1.7	11,675	5.10	595	18	52	+341	+.17	+33	+37
10-24-62 553667 2036257 5-73				34,35,61	20		11,132	4.84	539						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HO	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS/DAU	REC/DAU HEROMATE	MILK	%	FAT	%	1ST LACT	REPT INC	%	PREDICTED DIFFERENCES MILK	%	FAT	$$
562703 BAY MEADOW STEADFAST MAJOR....*		2	21	1-93	23	1.5	10,098	4.43	447	**	25			+61	-.04	-1	+1
01-25-63 545361 1810674 5-73					9		9,837	4.59	452								
562721 ZEITLER ROSE KINGLAD.....*		5	32	5-22,23,	45	1.6	9,411	4.68	440	31	32			-28	+.01	0	-1
12-24-62 511244 1791368 5-73				50,56,64	36		9,443	4.66	440								
562745 STRATUM FARMS FORTUNE.....*		3	12	2-82,91	16	2.9	10,392	4.50	468	7	30			-3	-.04	-4	-3
11-22-62 511244 2005577 5-73					19		10,449	4.65	486								
562773 VILLA CREST PRINCE.....*		3	13	3-31,32,	17	2.1	9,943	5.05	502	29	28			-238	+.02	-9	-15
10-14-62 553667 1922878 5-73				48	14		10,901	5.00	545								
562780 BAYVILLE D SUCCESS.....*		7	3	4-52,55,	14	1.9	9,293	4.82	448	33	39			-312	+.11	-4	-13
12-15-62 530908 1749522 5-73				58,65	89		10,114	4.57	462								
562786 KELLOGG BABYS JEWEL.....*		2	16	1-34	28	2.1	10,963	4.79	525	43	36			+15	+.01	+2	+2
C2-15-63 475595 1497102 5-73					13		11,019	4.77	526								
562810 AUKEMA FARMS ROBERTA FAME.....*		1	13	1-22	13	1.6	7,810	4.62	361	25	22			-268	+.01	-11	-17
01-15-63 512974 1807193 5-73					32		8,949	4.58	410								
562824 HEYWES AUGUSTAS FIDEL.....*		1	34	1-56	34	2.9	10,577	4.38	463	3	30			-20	-.04	-5	-5
12-24-62 512974 1811128 5-73					50		10,716	4.54	486								
562825 BELMONT VIEW OLIVER PRINCE....*		3	7	2-55,56	13	3.1	10,113	4.47	452	8	33			-73	-.02	-5	-6
C1-18-63 545135 1804402 5-73					34		10,371	4.55	472								
562856 MCKERROWS GABRIEL.....*		6	8	1-35	25	2.3	9,810	4.50	441	17	45			+151	-.05	+2	+6
10-26-61 511244 1654118 5-73					7		9,412	4.61	434								
562889 YELLOW CREEK TOP CASEY.....*		1	13	1-34	13	2.5	10,609	4.83	512	23	24			-187	+.02	-7	-11
11-13-62 546396 1945135 5-73					10		11,553	4.81	556								
562892 YELLOW CREEK S STAR.....*		5	11	1-48	32	2.4	9,896	4.67	462	13	46			+8	-.03	-3	-2
12-13-62 475595 1725807 5-73					15		9,862	4.78	471								
562910 HO ETTES V FAME GALLANT.....*		3	28	2-35,48	35	2.0	9,602	4.91	471	25	31			+72	-.03	0	+2
07-31-62 512974 1859980 5-73					18		9,296	5.12	476								
562943 KOKOSINGS GOLDEN BONANZA.....*		4	17	2-31,61	22	2.7	11,599	4.64	538	15	32			+39	+.01	+3	+4
01-01-63 550942 1628222 5-73					19		11,637	4.60	535								
562979 KERR HILL FAMES IOAHO.....*		5	9	3-32,61,	24	2.3	9,324	4.45	415	7	41			+62	-.01	+2	+4
C3-10-62 512974 1758595 5-73				72	29		9,080	4.46	405								
562991 SUNESLOPE DOMINANT OAVEY.....		3	5	1-42	13	1.8	9,931	4.52	449	**	33			+205	-.11	-2	+5
01-04-63 557036 2066960 5-73					9		9,224	4.95	457								
562992 DULUTH B YOGA.....	41-01	63	3	9-35,41,	126	2.0	9,533	4.79	457	19	86			-321	+.10	-5	-14
C2-13-63 475595 1973585 5-73				42,45,47	11		9,896	4.69	464								
562993 BAY MEADOW BILLYS OAN.....*	93-02	2	28	2-86,93	32	1.8	11,351	4.37	496	14	28			+148	-.07	0	+4
02-10-63 511244 1884301 5-73					237		10,911	4.57	499								
563031 LAUXMONT PAGAN.....*		5	14	1-23	26	1.7	8,101	4.85	393	24	34			-30	+.03	+2	+1
C2-12-63 529641 1860154 5-73					27		7,989	4.74	379								
563052 MAPLE DAWN BONANZA AMBASSADOR.*		3	12	1-34	32	1.8	11,086	4.68	519	19	42			+2	-.09	-9	-7
C1-11-63 550942 1636200 5-73					17		11,199	4.92	551								
563105 OINSMORE JOLLY JAY.....*		2	19	1-58	27	2.6	7,027	4.33	304	**	34			-289	+.01	-12	-19
01-01-63 524993 1773830 5-73					205		7,649	4.29	328								
563116 ROSEWOOD VANCE DEACON.....*		11	45	4-23,33,	67	2.0	10,516	4.52	475	25	36			-57	+.03	0	-2
01-18-63 533769 2005016 5-73				56,57	58		10,752	4.45	478								
563136 GOLDEN ACRES FAMOUS.....*		1	12	1-33	12	2.9	9,404	4.29	403	9	25			-113	-.02	-7	-9
C1-30-63 512974 1990927 5-73					14		9,846	4.40	433								
563142 GRYSTAL LAKE ALEX.....		1	16	1-47	16	2.1	9,086	4.88	443	15	24			-16	+.03	+2	+1
C6-05-62 532455 1956472 5-73					6		9,061	4.77	432								
563184 CROSS ARROWS JOSHUA.....*		4	3	2-56,64	10	1.4	10,221	4.71	481	0	29			+237	+.01	+12	+17
11-19-62 547049 1827641 5-73					17		9,345	4.68	437								
563193 KLEINPETER FARMS W BONO.....*		2	24	1-72	26	1.9	8,625	4.38	378	6	27			-125	-.02	-8	-10
C3-15-63 540203 1734091 5-73					19		8,988	4.51	405								
563233 VALLEY VIEW COUNT.....*		5	8	4-82,91,	21	1.8	10,616	4.70	499	17	38			+26	-.01	0	+1
C1-29-63 556059 2051819 5-73				92,93	41		10,606	4.73	502								
563251 ROSEWOOD JETLINER.....*		4	35	2-33,35	42	2.5	10,520	4.40	463	5	32			+251	-.01	+11	+17
C1-07-63 545150 1904690 5-73					19		9,714	4.38	425								
563259 OETTING LELAS EMORY.....	35-21	17	3	6-41,42,	31	2.2	9,318	4.58	427	17	60			-233	-.05	-16	-20
C1-26-63 533470 1346901 5-73				43,45,47	12		9,672	4.70	455								
563274 OUNAY FARMS FAMES ELMER.....*		1	12	1-23	12	2.0	9,445	4.29	405	29	22			+62	-.04	-1	+1
01-20-63 512974 1594854 5-73					10		9,072	4.51	409								
563346 JANOE PENNYS FAME.....*		4	22	3-31,42,	34	1.8	9,647	4.48	432	24	33			-49	-.01	-3	-4
09-07-62 512974 1603936 5-73				61	10		9,772	4.53	443								
563389 BAYVILLE DON QUIXOTE.....*		8	26	5-52,55,	45	2.2	9,450	4.66	440	19	38			-325	+.03	-12	-20
C2-07-63 425345 1533430 5-73				56,63,72	123		10,335	4.60	475								
563451 ANSMIL JULIETTA ROYAL MAJESTY.*		18	6	7-23,31,	44	1.7	10,727	4.72	506	15	50			+67	-.03	0	+2
09-08-62 551885 1639096 5-73				32,35,43	25		10,681	4.79	512								
563511 WERNS MAGICS ONWARD.....*		8	9	2-33,35	24	2.0	7,759	4.49	348	40	40			-284	-.01	-14	-20
05-15-61 515717 1167649 5-73					29		8,294	4.55	377								
563581 ROBIN ROOST PRIDES ROYAL.....		3	24	1-32	46	2.0	9,742	4.50	438	18	40			-229	+.02	-9	-14
01-23-63 520701 1578949 5-73					57		10,347	4.48	464								
563600 HILLOALE SONIC ACTOR.....*		3	18	1-41	22	2.2	8,482	5.00	424	32	29			-397	+.05	-13	-23
C2-20-63 547261 1886652 5-73					12		9,855	4.82	475								
563626 IMIG FARMS B FAVOR.....*		1	23	1-47	23	2.4	8,532	5.06	432	17	26			-223	+.05	-5	-11
C5-01-62 550858 1941302 5-73					15		9,317	4.85	452								
563639 MAPLEGRANOS SCOUT.....*		3	7	1-34	13	2.4	10,595	4.79	507	25	32			-93	-.01	-5	-7
11-10-62 516703 1144589 5-73					40		10,988	4.84	532								
563651 HOLCOMBS B P BILLY.....*		3	23	1-21	29	2.2	11,274	4.20	473	14	30			-36	-.05	-7	-7
C8-30-62 511244 1905623 5-73					25		11,550	4.36	504								
563655 MULHOCAWAY BUTTERFAT ONYX.....*	35-05	24	2	3-35,41,	45	2.6	10,193	4.67	476	16	72			+150	+.02	+9	+12
09-29-62 475595 1788429 5-73				42	15		9,978	4.65	464								
563656 ROETTA KNIGHTS BLOSSOM MAKER..*	91-13	59	8	14-41,82,	201	2.0	11,332	4.39	498	16	87			+237	-.20	-10	-1
11-06-62 499743 1768709 5-73				86,91,92	29		11,173	4.62	516								
563681 WARDELLS KING BUTTERFAT.....*		1	40	1-14	40	1.5	8,925	4.72	421	19	20			-39	+.01	-1	-2
04-01-63 537307 1908686 5-73					20		8,977	4.75	426								

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HO	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS HM/DAU	REC/DAU HERDMATE	MILK	% FAT	FAT	% 1ST INC	REPT %	PREDICTED DIFFERENCES MILK	% FAT	FAT $$
563683 CONOVERS WELOA PATRON.....*		2	26	2-22,23	28	2.0	9,191	4.98	458	20	27	-18	+.03	+2	+1
05-01-63 555132 1734186 5-73					80		9,174	4.91	450						
563698 MONARCHS SALS KING.....*		3	18	2-35,93	26	2.2	9,621	4.69	451	30	32	+66	-.04	-1	+1
04-05-63 536243 1832017 5-73					32		9,349	4.90	458						
563711 GOLDEN HARVEST WYN BERTRAM....		3	37	1-32	75	1.8	11,337	4.58	519	3	42	+351	+.03	+19	+26
03-23-63 555819 1090594 5-73					48		10,552	4.49	474						
563755 WOODACRES ROYAL MASTERMAN.....*	23-13	65	4	11-11,12, 21,22,23	145	2.1	10,486	4.53	475	17	86	+173	-.11	-3	+3
10-30-62 511244 1805826 5-73					27		10,315	4.67	482						
563781 NORMANOY ACTON.....		2	34	1-32	36	2.1	9,847	4.56	449	16	28	-228	-.01	-11	-16
11-30-62 512974 1899812 5-73					13		10,739	4.60	494						
563808 NOBLE MONAS PRIJO LAD.....		1	13	1-35	13	3.4	8,884	4.74	421	15	26	-117	+.02	-3	-6
06-05-61 449173 1903662 5-73					8		9,273	4.69	435						
563829 BROWNIES FARMS OSCAR.....*		4	11	2-82,92	21	1.7	10,106	4.98	503	25	33	-191	+.09	0	-6
03-26-63 438786 1926898 5-73					49		10,757	4.70	506						
563877 MCDONALD FARMS JV GALORE.....*		5	12	2-23,51	29	2.2	9,695	5.03	488	14	42	-152	+.07	0	-5
04-17-63 530291 1943570 5-73					29		10,054	4.89	492						
563886 TORREY FARM VERN.....*		1	13	1-35	13	2.2	9,809	4.90	481	25	23	-141	+.03	-4	-8
02-17-63 524993 1470146 5-73					17		10,466	4.85	508						
563944 MONTE VISTA FARMS SUPER.....	91-13	16	2	7-41,82, 91,92,93	23	2.0	11,058	4.76	526	10	58	+253	+.04	+16	+21
03-11-63 496783 1836519 5-73					23		10,685	4.70	502						
563946 MONTE VISTA FARMS BONANZA.....*		1	50	1-93	50	2.1	11,457	4.75	544	8	29	+48	-.01	+1	+2
02-01-63 496783 1783672 5-73					36		11,429	4.80	549						
564022 MELLORO STAR KING.....*		2	23	1-56	25	1.9	10,035	4.83	485	13	27	-56	+.07	+4	+2
03-15-63 536918 1941274 5-73					21		10,273	4.58	470						
564125 SOFT GOLD BILLYS BUDOY.....*		8	9	4-33,34, 41,73	26	2.0	11,008	4.41	486	25	43	+371	-.08	+9	+19
07-08-62 511244 1907499 5-73					31		10,168	4.58	466						
564153 KADDCKADEE ROSE SUPREME.....*		1	14	1-12	14	2.0	8,343	4.45	371	0	24	-180	-.01	-9	-13
09-27-62 538021 1874756 5-73					25		8,985	4.54	408						
564173 EDISTO FARMS BLZ BANNER.....*		5	12	3-52,56, 57	23	1.8	9,824	4.63	455	8	35	-181	+.02	-6	-10
04-18-63 543210 1833181 5-73					58		10,380	4.59	476						
564182 MCDONALD FARMS B GRAND DUKE...*		12	5	6-16,21, 31,33,57	31	2.4	10,844	4.48	486	14	56	+25	-.04	-3	-2
05-09-63 511244 2066687 5-73					13		10,886	4.57	497						
564220 KNOWLDEN GOLDEN BOY.....*		1	27	1-31	27	2.3	9,380	4.77	447	14	27	+61	+.01	+4	+5
09-17-62 550942 1795994 5-73					7		9,054	4.73	428						
564274 SPAR HILL JOLLY NOBLE.....*	72-01	6	24	2-50,72	48	1.9	8,835	4.45	393	8	40	-289	+.01	-12	-19
04-26-63 524993 1858585 5-73					61		9,504	4.44	422						
564325 POMONA ACRES BRANDYS BONANZA..*		1	36	1-31	36	2.3	10,612	4.72	501	25	27	-9	+.01	+1	+1
12-17-62 550942 1723328 5-73					25		10,717	4.69	503						
564346 BLAKEFORD GOVERNORS VALOR.....*		7	13	2-23,52	38	1.9	9,734	4.66	454	37	46	-202	-.03	-12	-16
12-01-62 550793 2001861 5-73					15		10,191	4.75	484						
564354 MAPLEGRANDS JEWEL BOY.....*		2	33	1-34	35	1.9	10,861	4.90	532	22	27	+46	.00	+2	+3
04-24-63 475595 1699610 5-73					23		10,767	4.93	531						
564362 MAPLE LEAF LANCER.....*		8	21	4-35,41, 42,47	33	2.1	10,591	4.75	503	17	35	-166	+.06	-2	-7
04-01-63 556820 1792430 5-73					18		11,178	4.63	517						
564383 J MAR NELL FAMES LUCKY FELLA..*		2	13	1-43	22	1.6	8,752	4.71	412	55	31	-457	+.03	-18	-29
04-30-63 512974 1951511 5-73					22		10,258	4.64	476						
564433 NORGERTS LEADER QUEBEC.....*		4	7	2-33,35	16	1.5	8,529	4.56	389	7	33	-239	-.03	-14	-19
06-25-63 555040 2030685 5-73					22		9,162	4.70	431						
564434 NORGERTS VANCE PRODUCTION.....*		6	16	2-43,48	40	2.1	11,505	5.33	613	12	44	+114	+.09	+14	+15
07-10-63 533769 1746802 5-73					14		11,383	5.22	594						
564458 CHEDCO HOLLYHOCKS NUGGET.....*		2	13	1-31	15	2.3	9,566	4.74	453	20	26	-183	-.03	-11	-15
06-14-63 556165 1570447 5-73					73		10,303	4.87	502						
564479 PARTRIDGE CECILAS FAME.....*		1	11	1-16	11	1.9	9,224	4.81	444	22	21	-87	+.03	-1	-3
06-01-63 512974 1823111 5-73					53		9,594	4.70	451						
564564 STJRGIS FARM BONANZA KING.....*		3	16	2-55,56	21	2.1	9,508	4.44	422	13	30	-96	.00	-4	-6
09-09-62 550942 1688525 5-73					26		9,810	4.43	435						
564567 WESTERN GLOW LADINAS FLASH....*		6	13	3-82,86, 91	37	2.2	11,905	4.27	508	0	47	+241	-.06	+5	+11
06-27-63 475548 1700368 5-73					89		11,538	4.33	500						
564573 WILSONA JASONS GLEN.....*		5	8	2-91,92	19	2.5	10,008	4.21	421	6	39	-145	-.10	-17	-18
05-20-63 545832 1523250 5-73					23		10,421	4.50	469						
564596 ROCKVIEW FARMS MISTER MAC.....		1	55	1-93	55	1.9	8,907	5.03	448	22	27	-263	+.04	-8	-15
04-10-63 552647 2060885 5-73					82		9,853	4.89	482						
564658 MARGENDELL GOLDEN CROSS.....*		8	4	2-35,65	19	2.0	9,301	4.80	428	20	45	-137	-.01	-7	-10
03-11-63 543853 1919772 5-73					13		9,559	4.63	443						
564670 MAPLE LEAF ALERT LEADER.....*		1	19	1-47	19	2.2	10,291	4.69	503	26	25	-30	+.02	+1	0
07-23-63 552020 1513247 5-73					9		10,458	4.79	501						
564685 WHISTLING KNOLL ROYAL DUKE....*		1	12	1-42	12	1.3	9,610	4.95	476	**	20	-190	+.06	-3	-8
08-28-63 529773 1422415 5-73					9		10,613	4.71	500						
564710 BAY MEADOW HANKS COLONEL.....		4	4	1-93	11	1.3	10,676	4.82	515	0	28	-61	+.05	+2	0
07-01-63 554773 2060474 5-73					14		10,992	4.68	514						
564756 HOMESTEAD ACRES BILLY STUB....*		5	6	1-23	18	1.7	10,372	4.94	512	14	39	+145	+.07	+14	+16
12-20-62 511244 1747332 5-73					21		9,995	4.77	477						
564762 WOODACRES REGAL BONO.....*		1	20	1-31	20	1.8	9,191	4.84	445	37	24	-99	+.01	-4	-6
04-01-63 524479 1847652 5-73					19		9,561	4.89	468						
564763 WOODACRES BABETTS VAL.....*	31-02	2	10	1-31	20	1.9	9,896	4.69	464	30	34	-83	+.04	0	-3
04-04-63 530291 2006025 5-73					47		10,152	4.59	466						
564766 GUERNSEY ACRES V FAME.....*		1	15	1-15	15	2.4	8,747	4.38	383	0	25	+109	-.05	0	+3
01-22-63 512974 1756589 5-73					13		8,124	4.62	375						
564770 EASTHILL FAME.....*		1	10	1-23	10	2.8	10,672	4.97	530	0	23	+153	+.02	+9	+12
12-17-61 512974 1721491 1-73					13		10,009	4.93	493						
564782 VILLA CREST HAMLET.....*		2	14	1-32	16	1.8	11,119	4.85	539	15	25	+52	-.02	0	+2
07-01-63 555819 1922882 5-73					14		11,005	5.00	550						
564796 BAYVILLE J JOKER.....*		1	16	1-55	16	3.0	8,346	4.62	386	8	27	-396	+.01	-17	-26
08-15-63 530908 1955224 5-73					49		9,804	4.62	453						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF OAU /HO	STATES NO- WITH MOST OAUS	... DAUGHTERS AND HEROMATES ... OAUS HM/OAU	REC/OAU HEROMATE	MILK	% MILK	FAT	% FAT	1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
564865 OEEP LAKE FLASHS PAUL.....*		1	19	1-23	19	2.5	8,969	4.91	440	26	26	-81	+.04	0	-2
03-19-63 475548 1410067 5-73					24		9,205	4.76	438						
564917 REO LEVEL NORAS NERO.....*		2	17	1-52	19	2.3	10,845	4.60	499	24	27	+124	-.05	+1	+5
C7-07-63 511244 1985984 5-73					25		10,418	4.80	500						
564932 OLO HOMESTEAO PACEMAKER.....*	23-11	27	3	5-11,14,	44	2.3	9,527	4.75	453	19	70	-136	+.09	+3	-2
C6-28-63 503512 1075438 5-73				16,21,23	25		9,689	4.61	447						
564942 OSTERLEA FARMS V F TRANSFER...*		2	9	1-31	14	1.2	9,040	4.47	404	**	25	-372	-.01	-18	-26
C7-12-63 512974 1887293 5-73					9		10,581	4.56	482						
564947 LAUXMONT POPPY NANCE SUPERIOR.*		1	39	1-52	39	2.0	9,374	4.64	435	11	27	-98	-.03	-7	-9
08-20-63 533769 1986501 5-73					55		9,710	4.80	466						
564949 SPAR HILL JOLLY BEAU.....*		1	25	1-51	25	1.8	7,062	4.77	337	26	25	-503	-.02	-25	-36
C7-20-63 524993 1523310 5-73					22		8,965	4.86	436						
564960 ROSENOAHL F LAO.....*		1	30	1-23	30	2.2	9,536	5.05	482	13	27	-146	+.07	0	-4
C7-07-63 556917 2025725 5-73					40		10,093	4.79	483						
564965 BAY MEAOOW HANKS COUNT.....*		6	16	2-86,93	32	1.9	11,157	4.12	460	15	38	-258	-.08	-20	-24
07-11-63 554773 1994807 5-73					56		12,036	4.34	522						
564968 BAY MEAOOW CHAMPION OANOY.....		1	38	1-93	38	1.0	11,626	4.54	528	**	23	+52	.00	+2	+3
07-18-63 549864 1684842 5-73					30		11,549	4.55	526						
564975 ELLCONN SUPREME MARK.....*		1	19	1-16	19	2.3	10,123	4.55	461	27	26	+64	-.02	+1	+3
05-06-63 475595 1696403 5-73					6		9,855	4.62	455						
565011 MCOONALO FARMS MISTER GLEN....*		2	22	2-21,35	24	2.2	9,679	4.57	442	24	28	+8	-.02	-2	-1
07-26-63 488786 1706977 5-73					22		9,606	4.69	451						
565023 F C BONANZA CAPTIN.....*		2	15	1-32	19	2.8	11,114	4.62	513	8	30	-105	.00	-5	-7
10-16-62 550942 1689085 5-73					6		11,627	4.66	542						
565030 CRESCENTS TRAVELERS HEIR.....*		3	18	1-32	25	1.9	11,405	4.58	522	24	31	-93	-.07	-11	-12
05-28-63 531473 1777667 5-73					21		11,895	4.82	573						
565042 HANSENAREA PRETOR.....*	21-10	69	4	10-11,12,	177	2.0	10,151	4.61	466	20	88	-186	+.03	-6	-11
05-03-63 528754 1740370 5-73				16,21,23	22		10,400	4.60	478						
565070 GROSS ACRES COLLEENS COUNT....*		2	9	1-34	11	2.4	11,077	4.52	501	0	25	+193	-.04	+5	+10
07-30-63 496783 1481404 5-73					3		10,327	4.66	481						
565125 HANOVER HILL H STINGER.....*		2	27	1-21	38	2.1	9,787	4.98	487	22	34	-218	+.08	-2	-8
10-04-63 555819 1964544 5-73					26		10,488	4.78	501						
565127 FRIENOSHIP FAMES P VICTOR.....*		3	9	1-23	18	1.5	10,981	4.29	471	36	33	+164	-.10	-3	+3
03-20-63 512974 2010847 5-73					14		10,533	4.62	487						
565130 BAY MEAOOW CHAMPION HONEY BOY.*		1	37	1-93	37	1.8	9,247	4.99	461	8	26	-165	+.04	-4	-8
08-08-63 549854 1847349 5-73					89		9,667	4.90	483						
565131 SHAMROCK S BRILLANT.....*		1	29	1-86	29	2.0	12,123	4.37	530	18	26	-95	+.03	-1	-4
08-08-63 522043 2019030 5-73					122		12,765	4.26	544						
565137 LAY LAINE SUPERBS PHARAOH.....*		1	13	1-58	13	1.6	11,447	4.01	459	11	22	-21	-.04	-5	-5
C7-01-63 538936 1774079 5-73					87		11,717	4.16	487						
565142 FEURA MO LUCKY.....*	61-02	16	2	5-31,32,	27	2.3	9,842	4.77	469	5	61	-115	+.10	+5	+1
05-12-63 425345 1940621 5-73				33,61,63	16		10,034	4.59	461						
565150 BRENOALE OAPHNE SIR KING.....		1	44	1-41	44	2.0	7,925	4.86	385	11	27	-245	-.01	-12	-17
05-10-63 471823 1924188 5-73					9		8,690	4.94	429						
565152 GUERNSEY LANO FAITHS COMMANO..*		2	10	1-21	12	1.2	9,872	4.29	424	22	21	-201	-.04	-13	-17
C3-19-63 549235 1876579 5-73					16		10,911	4.50	491						
565155 FOREMOST Q J CS VALIANT.....*		9	12	5-33,43,	39	1.7	9,619	4.72	454	36	47	-211	+.08	-2	-8
03-07-63 515501 1938846 5-73				48,73,84	50		10,077	4.56	460						
565181 ROZELYN MEMORYS V FAME.....*	35-05	39	3	4-35,41,	74	1.8	11,046	4.47	494	23	77	+313	-.16	-2	+8
06-18-63 512974 1783857 5-73				42,91	18		10,708	4.69	502						
565272 KLONOIKE NANCES ROYAL.....*		6	8	2-55,56	17	2.5	9,926	4.52	449	13	37	-248	-.02	-13	-18
09-19-63 533769 1846430 5-73					28		10,657	4.60	490						
565288 IOEALS NATHAN.....*		1	35	1-23	35	1.8	8,851	4.99	442	7	26	-188	+.03	-6	-11
12-14-62 540198 2008289 5-73					36		9,523	4.92	469						
565290 MAPLE LEAF FRANK.....		1	13	1-41	13	1.8	8,441	4.53	382	**	22	-121	+.02	-4	-7
C9-02-63 556820 1633448 5-73					12		8,873	4.51	400						
565304 CLEVERLANOS ETHALIAS V FAME...*		2	35	1-93	41	1.7	12,977	4.45	577	8	29	-110	+.09	+4	0
C8-31-63 512974 1143417 5-73					124		13,733	4.18	574						
565326 HEYWES COMMANOS KEN.....*		4	45	1-56	59	1.6	10,794	4.50	486	9	32	-31	+.01	0	-1
11-01-63 549235 1632008 5-73					41		10,991	4.45	489						
565358 OEWAN FARMS NE EBBTIOE.....*	23-09	18	1	4-21,22,	19	2.4	10,133	4.89	496	25	56	+250	+.12	+24	+27
11-02-63 536589 2087939 5-73				23,51	19		9,645	4.69	452						
565359 POMONA ACRES BONS BERT.....*		2	36	1-31	40	2.7	10,845	4.57	496	16	31	+223	-.05	+5	+11
C9-05-62 550942 1971205 5-73					8		10,130	4.77	483						
565361 HAPPY HOLLOW FLASHS VICTORY...*		2	10	1-35	13	1.1	8,874	4.94	438	14	23	-164	+.02	-6	-10
09-23-63 553771 2048671 5-73					32		9,552	4.91	469						
565372 EOISTO FARMS BLOSSOM NANCE....*		4	8	1-56	29	2.1	9,842	4.50	443	5	48	-73	-.01	-4	-5
10-07-63 533769 1639870 5-73					53		9,993	4.53	453						
565379 WESTERN GLOW OUANNS COUNT.....*	23-11	75	4	10-14,16,	178	2.0	9,841	4.82	474	25	88	-396	+.13	-6	-17
10-07-63 475548 2006032 5-73				21,22,23	29		10,320	4.69	484						
565386 F L F NORGERTS REO RUO.....*		1	25	1-52	25	2.5	9,947	4.44	442	13	27	+7	-.05	-5	-4
C9-18-63 533769 2015129 5-73					21		9,909	4.69	465						
565403 LAY LAINE OISPATCHS REX.....*		3	19	3-32,55,	23	1.7	11,393	4.14	472	10	27	-5	-.01	-1	-1
10-23-63 529773 1689055 5-73				58	89		11,570	4.16	481						
565413 CHIEF O EMORY.....*		7	4	2-32,34	20	2.1	10,475	4.83	506	6	48	+3	+.01	+1	+1
01-19-63 528424 1920083 5-73					14		10,519	4.84	509						
565434 MAIZELANO CENTURIONS CHIEF....*		2	18	1-43	33	1.9	10,682	4.49	480	27	37	+98	-.01	+3	+5
07-02-63 548954 1835522 5-73					16		10,463	4.51	472						
565466 TALL CORN COLONEL.....		1	27	1-42	27	2.4	7,766	4.21	327	9	28	-355	-.01	-17	-25
08-16-63 559992 1768115 5-73					3		8,948	4.29	384						
565478 CORNER GROVE V WILLIAM.....*		1	41	1-32	41	1.7	9,681	4.70	455	55	26	-57	-.01	-4	-5
10-24-63 529456 1944969 5-73					26		9,893	4.81	476						
565505 GREEN FIELOS NANCES PRINCE....*		6	13	3-56,57,	22	2.7	10,380	4.34	451	6	35	+6	-.03	-3	-2
09-27-63 533769 1785787 5-73				58	31		10,400	4.44	462						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS HM/DAU	REC/DAU HEROMATE	MILK	% FAT	1ST LACT MILK	% FAT	REPT INC	%	PREDICTED DIFFERENCES MILK	%	FAT	$$
565513 WAYDEPINS BROOK J V LOT.....		2	12	1-32	24	2.0	10,350	4.66	482	5	37	-103	+.06	+1	-2
10-22-63 530291 1964703 5-73					57		10,701	4.49	480						
565515 LITTLE FALLS FORTUNES MARK....*		3	19	1-21	23	2.2	9,868	5.01	494	27	29	+31	+.10	+11	+10
10-01-63 528754 1948322 5-73					24		9,730	4.70	457						
565540 GUERNSEY GROVE C LADYS LAD....*		4	11	3-33,35,	25	1.8	8,278	4.61	382	39	39	-658	+.02	-28	-43
11-26-63 519717 1687100 5-73				48	17		9,975	4.58	457						
565566 SPAR HILL MISTER CHIF.....*		3	11	2-23,50	19	2.0	11,317	4.64	525	28	32	+372	-.08	+9	+19
11-24-63 510634 1511048 5-73					14		10,178	4.93	502						
565580 FLOPAFARM JULIUS.....		1	16	1-35	16	2.3	8,940	5.15	460	**	25	-171	+.05	-3	-8
10-08-63 522508 1769913 5-73					22		9,588	4.99	478						
565594 ANSMIL D QUANTITYS MASTEP.....*		8	12	4-22,31,	24	1.9	9,653	5.02	485	14	36	-413	+.05	-14	-24
07-02-63 551885 1986936 5-73				33,61	26		10,894	4.91	535						
565600 WINACRES LOVELYS FLASH.....*		3	21	1-91	34	2.2	11,489	4.90	563	24	36	-17	+.11	+10	+8
07-22-63 475548 1939627 5-73					24		11,709	4.63	542						
565609 YELLOW CREEK BUTTERFAT QUINTON*		2	9	1-33	11	1.7	9,298	4.87	453	10	23	-10	+.05	+5	+4
11-21-63 560067 1651760 5-73					16		9,269	4.62	428						
565643 MERIT PPEM DELOS.....*		6	9	4-12,14,	23	1.9	9,189	4.79	440	25	41	-277	+.04	-9	-16
10-02-63 542343 1956130 5-73				16,21	17		9,851	4.73	466						
565655 MUNGLES SABO SUPEP8.....*		5	18	3-72,73,	25	2.5	10,767	4.36	469	17	33	+85	-.02	+2	+4
01-11-63 553653 1996455 5-73				85	116		10,559	4.38	463						
565730 GPAYCE FARMS JESSIES CHIEF....*		1	15	1-31	15	1.7	9,820	4.75	466	14	23	-188	+.02	-7	-11
11-07-63 540077 1686942 5-73					36		10,710	4.70	503						
565735 CLAPAMYS SUPPEME FAME.....*		1	13	1-34	13	1.9	10,368	4.81	499	25	22	-258	+.03	-9	-15
09-15-63 512974 2047800 5-73					6		11,702	4.74	555						
565746 FOREST HOMES BETTINAS BILL....*		2	18	1-35	20	1.9	10,670	4.94	527	13	26	+12	+.06	+7	+6
12-11-63 545150 2054549 5-73					16		10,691	4.72	505						
565761 WALKER FARMS CUPT HANDY MAN...*		2	9	1-65	12	2.2	10,571	4.70	497	33	27	-22	+.02	+1	0
11-16-63 512334 1396837 5-73					90		10,728	4.62	496						
565797 ROES MOR C 8 DIVIDEND.....*		4	15	1-33	23	2.1	11,960	4.66	557	10	33	+224	-.02	+8	+13
11-07-63 550942 1987426 5-73					10		11,419	4.73	540						
565798 ROES MOR C 8 DEXTER.....*		4	10	1-33	15	2.5	9,416	4.83	455	8	31	+137	+.07	+13	+15
11-10-63 550942 2124591 5-73					7		8,857	4.58	406						
565821 CIPPY NANCE DANDY.....*		2	34	1-56	38	2.4	11,744	4.39	516	3	30	+109	-.02	+3	+6
01-10-64 533769 1672494 5-73					53		11,536	4.42	510						
565822 PINE GROVE ELECT TRAVELER....*		6	4	3-23,52,	14	2.6	10,037	4.62	464	9	41	-69	-.03	-6	-7
07-20-63 541672 1700063 5-73				63	51		10,227	4.72	483						
565824 NORCEPTS NANCE APISTOCRAT RAY.*		2	16	1-48	25	1.5	9,335	4.40	411	24	31	+49	-.01	+1	+2
01-25-64 533769 1836929 5-73					11		9,083	4.44	403						
565849 WESTLYNN B NAVIGATOR.....*		7	17	5-82,86,	32	1.7	11,102	4.59	510	14	37	+60	-.03	0	+2
11-16-63 496783 1153990 5-73				91,92,93	49		11,040	4.68	517						
565850 HOJSATONIC FARMS BILLY.....*		7	7	5-15,16,	23	1.7	9,980	4.55	454	16	43	-103	.00	-5	-7
12-20-63 5112** 2066573 5-73				21,23,42	37		10,247	4.59	470						
565868 ELMWOOD CARYLS VALOR.....*		8	10	1-42	46	2.0	9,482	4.62	438	18	55	-251	-.02	-14	-19
09-13-63 558736 2082705 5-73					11		9,930	4.68	465						
565886 MARGENOELL DAPPER DAN.....*		2	15	2-35,41	17	2.4	9,134	4.47	407	19	27	-41	-.03	-5	-5
10-16-63 543853 1880487 5-73					10		9,175	4.64	426						
565901 MCCKING BIRD LUCKY NADH.....*		2	10	1-61	12	1.5	12,130	4.68	568	13	23	+12	.00	+1	+1
08-22-63 542532 1574767 5-73					5		12,303	4.67	575						
565913 BAYVILLE DUKE OF FASHION.....*		1	21	1-52	21	2.0	9,453	4.44	420	26	25	-267	.00	-12	-18
12-20-63 535492 1967880 5-73					17		10,577	4.46	472						
565914 BAYVILLE DUKE OF MARS.....*		6	10	4-23,52,	29	1.8	8,451	4.63	391	13	43	-469	+.04	-18	-29
12-25-63 535492 1857606 5-73				58,63	202		9,499	4.56	433						
565916 SHADY LAWN KING.....*		2	13	2-12,21	16	2.0	10,019	4.34	435	14	27	+62	-.03	0	+2
09-09-63 533769 1787827 5-73					17		9,765	4.46	436						
565928 PPAIRIE BLOOM B SIGMA.....*		3	16	1-92	21	2.4	10,196	4.95	505	6	31	-23	+.09	+8	+6
11-12-63 496783 1902847 5-73					39		10,301	4.67	481						
565936 YELLOW CREEK MR JUPITER.....*		6	11	3-32,34,	28	1.9	11,296	5.48	619	9	42	-319	+.20	+5	-6
01-09-64 560067 1855600 5-73				84	18		12,294	5.06	622						
565939 OULUTH F PRIZE.....	41-01	23	3	2-35,41	42	1.7	10,438	4.64	484	9	67	+513	-.05	+18	+30
01-19-64 505970 1961016 5-73					13		9,635	4.73	456						
565951 DEEP LAKE FLASHS MONARCH.....*		1	14	1-16	14	2.0	11,436	4.82	551	0	23	-6	+.01	+1	+1
09-12-63 475548 1779711 5-73					31		11,627	4.80	558						
565963 MULHOCAWAY BFT KING MIDAS.....*		2	24	1-35	48	2.1	11,966	4.95	592	28	42	-79	+.12	+8	+4
09-19-63 541009 1121882 5-73					10		12,395	4.73	586						
565965 MULHOCAWAY BUTTERFAT DILLON...*		19	16	11-16,21,	55	2.0	10,452	4.73	494	24	52	+111	+.04	+9	+11
11-03-63 475548 1935181 5-73				22,51,56	32		10,259	4.66	478						
565973 ARLADOP VALOR.....		1	22	1-35	22	2.1	11,274	4.47	504	27	26	+202	-.01	+8	+13
01-20-64 555024 2080467 5-73					4		10,531	4.51	475						
565992 NORTHERN L FLOWERS PERFECTION.*		1	23	1-31	23	1.8	10,020	4.99	500	30	25	-69	+.01	-2	-4
12-01-63 542793 1947343 5-73					9		10,331	4.99	516						
565993 NORTHERN L ANNAS HERMAN.....*		1	14	1-35	14	2.5	9,475	4.65	441	9	25	+30	-.02	-1	0
10-30-63 542793 1344800 5-73					13		9,281	4.81	446						
565994 PPAME FARM EVES MAJOR.....		1	17	1-93	17	1.2	10,277	4.72	485	**	21	-86	+.03	-1	-3
11-04-63 531939 1913240 5-73					7		10,762	4.64	499						
566017 ELMFORD MR MINNIE.....*		1	29	1-23	29	1.7	9,793	4.96	486	18	25	+47	+.06	+8	+8
11-12-63 525463 2082738 5-73					16		9,558	4.75	454						
566059 HAPPY HOLLOW BONANZA PREMIER..*		2	41	1-47	45	2.2	9,409	4.73	445	25	30	-212	+.05	-5	-11
07-12-63 496783 1916603 5-73					11		10,136	4.59	465						
566069 BS OAKRIDGE BONANZA.....*		1	43	1-33	43	2.3	9,264	4.60	426	16	28	-87	-.03	-7	-8
04-16-63 496783 1622458 5-73					14		9,526	4.76	453						
566117 MAYFLOWERS DUCHESS FAME.....*		8	23	1-31	38	1.7	10,785	4.90	528	34	35	+236	-.01	+10	+15
03-13-63 512974 1801896 5-73					21		10,125	4.97	503						
566122 CEDARBROOK POLLYS NANCE.....*	35-05	8	10	2-31,34	26	2.1	12,168	4.42	538	9	41	+496	-.11	+11	+24
11-18-63 533769 1762507 5-73					29		11,072	4.67	517						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HD	STATES ND- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS HM/DAU	REC/DAU HEROMATE	MILK	% MILK	FAT	% FAT	1ST IMP	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
566160 HOMINY HILL ANTOINE.....*		3	12	2-32,72	28	2.5	10,754	4.65	501		0	42	+50	+.02	+4	+5
C4-17-63 422711 1801354 5-73					15		10,713	4.61	494							
566165 HIDDEN MARSH CHIEF OLYMPIC....*		7	3	2-23,73	17	1.7	10,247	4.77	489		35	43	+116	+.10	+15	+16
01-02-64 557543 1787052 5-73					42		9,970	4.55	454							
566204 WYNO FAMES ROSS.....*		2	16	1-23	18	2.3	10,278	4.69	482		41	26	-268	-.01	-13	-19
C5-28-63 512974 2013417 5-73					10		11,440	4.74	542							
566205 WYNO FAMES JASON.....*	35-21	2	21	2-21,23	23	2.0	12,786	4.42	565		5	27	+416	-.05	+14	+24
C2-10-64 512974 2033654 5-73					24		11,353	4.57	519							
566236 NESLEKCIM BILLYS MAJESTY.....*		3	47	2-86,93	58	2.2	11,743	4.44	521		7	33	+226	-.02	+8	+13
08-14-63 511244 1890876 5-73					66		11,156	4.48	500							
566308 MAYFLOWERS FAMES TRANSFER.....*		3	23	1-31	27	1.8	11,592	4.62	535		4	28	+340	-.06	+9	+18
02-21-63 512974 1910965 5-73					54		10,404	4.88	508							
566332 MULHOCAWAY BUTTERFAT SUNRISE..*	23-11	20	3	8-13,14,	28	2.1	9,905	4.62	458		4	59	-171	-.01	-9	-13
01-22-64 475548 1786244 5-73				21,22,23	29		10,214	4.67	477							
566388 ELMWOODS DUANE.....*		2	11	1-34	20	1.7	10,704	4.47	478		6	33	+166	-.05	+3	+7
C4-16-63 557331 2122150 5-73					18		10,219	4.60	470							
566422 OTTER MEADOW NANCE.....*		1	24	1-13	24	2.3	11,176	4.56	510		6	27	+245	-.07	+4	+11
12-01-63 533769 1935449 5-73					20		10,275	4.86	499							
566430 CHEDCO JANETS COMMANDER.....*		2	11	2-22,23	13	1.5	9,156	5.01	459		17	23	-220	+.06	-4	-10
03-19-64 556165 1590559 5-73					11		10,140	4.78	485							
566435 LINDEANS PATSY THUNDER.....	93-16	8	11	3-86,92,	30	1.6	11,535	4.30	496		25	42	-124	+.03	-3	-6
11-04-63 557598 1125536 5-73				93	25		12,032	4.23	509							
566440 SOUTH VIEW FAMES GORDON.....*		4	32	3-31,32,	41	2.4	10,197	4.47	456		3	33	+155	-.03	+4	+8
12-10-63 512974 2031690 5-73				33	16		9,699	4.55	441							
566443 YELLOW CREEK C SUCCESSOR.....*		2	16	1-32	30	2.5	12,093	4.90	592		4	39	+417	+.03	+22	+31
11-23-63 528424 1896456 5-73					13		11,129	4.88	543							
566446 MAURANA S BUTTERFAT IKE.....*		1	60	1-84	60	2.2	9,434	5.09	480		22	29	+7	+.13	+13	+11
10-23-63 527868 2001067 5-73					11		9,342	4.63	433							
566452 CLOVER JACK BILLYS CISCO.....*		1	12	1-93	12	2.0	12,988	4.43	576		20	22	+127	-.03	+3	+6
10-20-63 511244 1763832 5-73					28		12,679	4.51	572							
566462 SPRUCE SHADOWS V F CARL.....		1	17	1-41	17	2.4	9,909	4.80	476		15	25	-209	-.01	-11	-15
02-29-64 512974 1681111 5-73					10		10,814	4.88	528							
566471 EBER LEA FARMS FLASH.....*		2	26	2-23,31	28	2.0	8,482	4.75	403		5	28	-280	+.08	-5	-13
C8-28-63 546422 2006838 5-73					12		9,447	4.46	421							
566479 HIDDEN SPRINGS TRU BELMONT....*		3	33	2-86,93	42	1.6	11,007	4.52	498		23	30	-78	+.04	0	-2
C3-25-64 556059 1812422 5-73					81		11,404	4.44	506							
566498 PINE VISTA KINGS LEADER.....*		1	13	1-16	13	1.7	10,706	4.85	519		17	22	+56	+.05	+8	+8
02-16-64 523671 1410531 5-73					15		10,498	4.63	486							
566499 PINE VISTA KINGS DOMINANT.....*		3	5	1-21	11	2.0	9,171	4.66	427		13	31	-181	+.02	-6	-10
02-22-64 523671 1689423 5-73					15		9,726	4.60	447							
566524 TERANCO C BONANZA KNIGHT.....		3	13	1-33	20	2.3	7,827	4.51	353		6	32	-156	-.03	-10	-13
01-14-64 550942 1862937 5-73					10		8,123	4.68	380							
566538 LERSON LAWN V PRINCE.....*		1	17	1-21	17	1.7	10,039	4.81	483		38	23	-214	+.06	-4	-10
02-25-64 513024 1237016 9-72					24		11,071	4.60	509							
566609 BROOKBERRY JOLLY ARTHUR.....*		3	12	2-55,56	16	2.1	10,609	4.35	461		9	28	+29	-.01	0	+1
01-17-64 518023 1838915 5-73					22		10,558	4.41	466							
566617 MAPLE ROW FORTUNES BAU.....	21-10	35	2	9-11,13,	53	1.9	10,488	4.61	483		16	73	+273	-.03	+10	+16
01-15-64 528754 1735681 5-73				16,21,22	22		10,126	4.64	470							
566628 LYRENE PEGS MAESTRO.....*		3	16	1-34	28	2.1	10,767	5.24	564		32	35	-127	+.14	+8	+3
09-08-63 531527 1735327 5-73					17		11,251	4.90	551							
566674 IMIG FARMS O BUTTERBOY.....*		3	10	2-42,47	21	1.7	8,498	5.11	434		**	35	-269	+.11	-2	-10
C8-14-63 529773 1933713 5-73					17		9,183	4.80	441							
566739 DEERSHORN K RIVAL.....*		2	9	1-14	11	1.4	9,616	4.87	468		9	22	-311	+.02	-12	-19
03-28-64 515261 1546007 5-73					15		11,170	4.77	533							
566744 PINE GROVE DUANE FALLA.....		2	16	2-86,93	20	1.6	11,517	4.37	503		**	26	+164	-.04	+3	+7
05-02-64 512974 1236133 5-73					75		10,994	4.51	496							
566745 IDEALS FRANKLIN.....*		2	14	1-23	16	2.3	9,143	4.68	428		33	26	-228	+.03	-8	-13
10-12-63 540197 2081621 5-73					32		10,036	4.61	463							
566806 MAXVALES G H MORGAN.....*		4	15	1-91	31	2.3	9,402	4.74	446		10	40	-263	+.03	-9	-15
10-04-63 537299 1861598 5-73					32		10,067	4.69	472							
566812 MONTE VISTA FARMS E M TROJAN..		1	14	1-93	14	1.7	11,461	4.78	548		29	23	+30	+.01	+2	+3
C5-30-62 493227 1564790 5-73					44		11,472	4.78	548							
566837 CIRCLE ORIVES FLOS NANCE.....*		1	18	1-32	18	1.6	11,670	4.65	543		8	23	+147	.00	+7	+10
C8-29-63 533769 1544973 5-73					5		11,144	4.65	518							
566843 V F KING OF BEAVER DAM.....*		1	15	1-52	15	1.9	8,526	4.79	408		**	24	+120	+.04	+10	+12
07-17-63 512974 1651010 5-73					10		7,798	4.58	357							
566854 MT ARARAT ETRUSCAN.....*		1	14	1-51	14	1.8	9,921	5.30	526		**	23	+109	+.11	+16	+16
C1-26-64 533769 1804644 5-73					40		9,383	4.84	454							
566861 DAVISS F HORNET.....		1	36	1-43	36	2.6	10,746	4.47	480		17	29	+46	.00	+2	+3
C1-16-64 545380 1845842 5-73					13		10,647	4.45	474							
566863 RAE MAR REXS ALVINE.....		1	18	1-42	18	2.3	7,216	4.75	343		**	26	-261	+.04	-8	-14
C3-30-64 554249 2097476 5-73					9		8,038	4.59	369							
566928 HOUSLEYS J BEAU.....*	52-01	34	5	5-35,51,	81	2.1	9,482	4.68	444		19	77	-246	-.03	-14	-19
C7-11-63 540627 1638903 5-73				52,57,72	29		9,777	4.75	464							
566929 HOUSLEYS B BONUS.....*		4	20	3-55,56,	38	2.1	9,148	4.48	410		11	39	-85	.00	-4	-6
C8-17-62 553977 1645480 5-73				58	35		9,294	4.51	419							
566944 GRAIN MEADOW O FORTUNE.....*	93-19	9	54	3-86,92,	92	2.1	12,177	4.31	525		8	41	+396	-.09	+9	+19
C2-09-64 557391 1908462 5-73				93	65		11,330	4.48	508							
566946 WOODACRES MERRY CHIEF.....*	61-02	51	4	10-31,32,	105	2.2	9,804	4.73	464		14	83	-111	+.06	+1	-3
C9-25-63 425345 1805826 5-73				33,52,74	17		9,929	4.66	463							
566949 WOODACRES EMPORERS FLASH.....		3	26	1-32	59	1.6	11,203	4.50	504		9	43	+352	-.02	+14	+22
11-27-63 549588 1874672 5-73					48		10,415	4.53	472							
566956 WYE HEIGHTS BON JACK.....*		7	2	5-16,21,	11	1.9	9,730	4.73	459		30	37	-234	+.08	-3	-10
04-01-64 496783 1749238 5-73				23,51,58	49		10,366	4.54	471							

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS	REC/DAU HM/DAU	MILK HERDMATE	% MILK	FAT	% FAT	1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
566961 ELMWOOD FAYELLAS VALOR.....*		1	23	1-42	23	1.7	8,253	4.78	395	40	24	-46	+.03	+1	-1
C1-12-64 558738 1844782 5-73					13		8,283	4.65	385						
566964 ELMWOOD AGNESS VALOR.....*		3	5	1-42	10	1.6	10,252	4.71	483	56	26	-193	-.01	-10	-14
C3-11-64 558738 2016569 9-72					9		11,102	4.79	532						
566966 ELMWOOD BEAS VALOR.....		2	24	1-42	29	1.7	9,600	4.57	439	38	29	-327	+.02	-13	-21
C5-13-64 558738 2082706 5-73					6		10,819	4.52	489						
566971 ACTORS HORNET LYNN OF PEQUEA..*		1	16	1-23	14	1.9	8,217	4.36	358	11	23	-122	-.02	-8	-10
11-19-63 548124 1878829 5-73					11		8,615	4.50	388						
567030 IDEALS HERO.....*		12	6	9-22,23,	26	1.7	9,848	4.82	475	15	46	-185	+.09	0	-6
11-14-63 425345 2007594 1-73				33,57,58	62		10,275	4.67	480						
567040 VALLEYLAND NERO.....*		4	19	1-42	26	2.4	9,146	4.87	445	8	32	-2	+.04	+4	+3
C2-27-64 541009 1653658 5-73					8		9,060	4.75	430						
567041 VALLEYLAND HALLMARK.....*	35-05	64	2	6-32,33,	93	1.8	9,520	4.65	443	29	83	-479	.00	-22	-33
C3-04-64 541009 1972419 5-73				35,41,42	14		10,107	4.67	472						
567054 NORGERTS NANCE BEA DUKE.....*	35-05	66	3	6-32,35,	137	2.1	10,362	4.70	487	15	87	+126	-.01	+5	+8
04-14-64 533769 1768552 5-73				41,42,92	16		10,238	4.73	484						
567084 GOLDEN DEW BILLYS LARRY.....*		6	5	2-47,48	12	1.6	8,164	4.70	384	55	31	-305	.00	-14	-21
C7-02-63 511244 1823109 5-73					12		9,045	4.72	427						
567111 SHAMROCK ROYAL EMINENT.....*		5	4	1-42	13	2.2	10,117	4.54	459	0	37	+54	-.11	-9	-6
C2-13-64 533769 2131947 5-73					11		9,966	4.50	488						
567118 WILLIAMSONS FARM BECKYS HERO..*		2	18	2-31,42	20	2.3	9,249	4.48	414	0	27	+125	-.02	+4	+7
12-09-63 533769 1656558 5-73					7		8,653	4.54	393						
567123 LISETER WINNING BEACON.....*		2	10	1-23	13	1.8	9,397	4.52	425	25	26	-261	-.04	-16	-21
C8-16-63 529978 1684653 5-73					23		10,446	4.72	493						
567141 APPLEBROOK VERNS TROY.....*		10	3	8-11,12,	19	1.5	9,418	4.87	459	8	47	-573	+.14	-13	-28
C4-18-64 524993 1541088 5-73				14,16,23	35		10,719	4.58	491						
567152 WOODSIDE HALL HERMES.....*		2	35	1-51	37	2.3	8,204	4.91	403	27	29	-173	-.01	-9	-13
07-17-63 554212 2069268 5-73					25		8,669	5.02	435						
567153 WOODSIDE HALL HUGO.....*		1	14	1-51	14	1.6	7,712	4.66	359	33	22	-266	+.03	-9	-15
C9-10-63 499468 1724681 5-73					10		8,787	4.53	398						
567155 SUNESLOPES E E DORSON.....*		4	7	1-41	21	2.3	10,601	4.91	520	17	42	+79	+.10	+14	+14
C1-15-64 524393 1627007 5-73					10		10,455	4.69	490						
567160 BROWNIES FARMS JPALAD.....*		2	14	1-91	25	1.1	9,460	4.39	415	**	36	-24	-.08	-9	-8
C2-18-64 529456 1990535 5-73					17		9,488	4.72	448						
567169 WING ACRES BON MODEL.....		1	25	1-42	25	2.4	9,359	4.57	428	17	27	-123	-.02	-8	-10
11-24-63 496783 1571230 5-73					17		9,791	4.71	461						
567189 J OF D JOLLY BELLRINGER.....*		5	6	3-23,50,	17	2.2	10,391	4.82	501	13	40	+7	+.07	+7	+6
C5-14-64 524993 1550300 5-73				73	32		10,411	4.68	487						
567192 LOCKSHORE MAESTRO SUNFLAME....*		5	7	3-31,34,	13	1.7	12,241	4.76	583	20	30	+179	+.06	+14	+17
C9-19-63 531527 1975127 5-73				86	49		11,821	4.60	544						
567200 ATTEBROC BONANZAS ROYALMOST...*		39	3	6-21,33,	66	1.5	10,111	4.75	480	26	76	-121	+.03	-3	-6
02-06-64 496783 1762729 5-73				35,41,42	17		10,300	4.74	488						
567203 FOREMOST HAPPY MIXTER.....*		8	5	5-43,48,	15	2.1	9,678	4.71	456	6	38	-224	+.07	-3	-9
C2-01-64 533454 1638718 5-73				72,73,84	53		10,293	4.55	468						
567249 BAYVILLE D DANDY.....*	61-02	7	5	4-32,51,	20	2.3	10,300	4.56	470	21	44	-47	-.05	-7	-7
C3-03-64 530908 1533430 5-73				52,63	73		10,451	4.70	491						
567265 ONAHILL MR ROYALIST.....*		1	41	1-22	41	2.0	12,013	4.94	593	20	27	+109	+.07	+12	+13
03-01-64 525463 1920141 5-73					21		11,785	4.73	557						
567298 GOLDEN HARVEST LEV CAROLER....*		5	16	3-15,16,	26	1.9	10,928	4.54	496	25	33	+135	-.01	+5	+8
12-14-63 560634 1617575 5-73				23	33		10,577	4.56	482						
567302 BEAUFORT ROYAL CROWN.....*		5	10	2-23,51	17	1.8	9,026	4.75	429	29	31	-454	+.02	-19	-29
01-28-64 533769 2080404 5-73					15		10,573	4.70	497						
567326 HOLLIKNOLL MAXIM.....*		10	4	6-16,31,	17	1.8	9,100	4.88	444	21	41	-214	+.08	-2	-8
03-11-64 510148 1537360 5-73				51,52,55	40		9,586	4.70	450						
567333 PRICE BLACK KUBILEES BRUCE....		5	262	4-71,73,	270	1.6	12,084	4.34	525	12	29	+204	.00	+9	+14
02-21-64 550306 2033620 5-73				85,86	624		11,524	4.32	498						
567336 SANDE HILL DOUBLE EMORY.....*	31-07	5	10	3-32,34,	19	1.8	14,854	4.47	664	0	34	+558	-.07	+18	+32
08-10-63 533769 1910972 5-73				61	18		13,578	4.63	628						
567341 COLBYS SAMPSON.....*		2	16	1-34	18	1.7	11,580	4.64	537	33	25	-88	+.02	-2	-4
C2-19-64 516703 1666248 5-73					24		12,145	4.61	560						
567355 LEAFY LANE LOYAL STATESMAN....*		1	13	1-31	13	2.1	10,961	4.76	522	25	23	-93	+.06	+2	-1
C3-25-64 550313 2015606 5-73					12		11,521	4.52	521						
567357 STURGIS FARM BON VIC.....*		1	41	1-55	41	2.3	12,320	4.29	528	7	28	+251	-.10	+1	+8
10-16-63 550942 1688525 5-73					27		11,590	4.57	530						
567404 PENN HILL NANCE QUINCY.....*		3	13	2-31,32	27	1.7	11,359	4.65	528	26	38	+205	-.02	+7	+12
12-25-63 533769 1869055 5-73					19		10,901	4.72	515						
567438 BRANDON NANCES REBEL.....*		1	21	1-52	21	2.0	10,311	4.44	458	18	25	+87	-.04	0	+3
04-17-64 533769 1695183 5-73					45		9,959	4.64	462						
567449 PINE VISTA ACTORS PEERLESS....*		1	26	1-16	26	2.1	8,946	4.92	440	5	26	-152	+.06	-1	-5
C5-01-64 552348 1654517 5-73					46		9,485	4.72	448						
567460 LAJXMONT PROSPERO.....*		1	33	1-23	33	2.1	10,066	4.68	471	12	27	-26	-.03	-4	-4
C6-19-64 556781 1706673 5-73					38		10,182	4.82	491						
567466 IDEALS STANLEY.....*		1	27	1-51	27	1.2	7,937	4.67	371	25	23	-217	+.02	-8	-13
12-04-63 527534 1511822 9-72					14		8,753	4.59	402						
567475 BELMONT VIEW HERO ROYAL.....*		8	8	5-55,56,	20	1.5	10,965	4.44	487	18	36	+131	-.03	+3	+6
C4-24-64 539419 1930428 5-73				57,58,64	29		10,666	4.50	480						
567481 EDISTO FARMS BLZ FORTUNE.....*		2	10	1-56	18	2.3	9,557	4.64	443	21	34	-282	+.05	-8	-15
C1-03-64 543210 1966943 5-73					37		10,440	4.51	471						
567487 GARNAVILLO GREG.....		1	18	1-42	18	2.7	12,124	4.78	580	6	26	+193	-.03	+6	+11
03-24-64 558183 1793556 5-73					10		11,544	4.92	568						
567488 SMITH FARMS PEGGYS PETE.....*		1	11	1-33	11	1.6	9,371	4.38	410	**	21	+44	-.06	-4	-2
C5-18-64 496783 2141396 5-73					9		9,069	4.76	432						
567495 DUMAR FARM VERNS LEADER.....*	23-09	10	10	1-23	31	2.1	10,211	4.92	502	11	45	+148	+.05	+12	+14
11-15-63 524993 1696723 5-73					16		9,869	4.84	478						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... HM/DAU	REC/DAU HERDMATE	MILK	% FAT	FAT	% 1ST INC	% REPT	PREDICTED DIFFERENCES MILK	% FAT	FAT $$
567540 BEN VENUE BUTTERFLYS PRINCE...*		1	15	1-52	15	1.7	8,118	4.51	366	33	23	-319	+.06	-9 -17
05-23-64 541527 1932974 5-73					10		9,464	4.25	402					
567550 MED O BLOOM SUPREME PEER.....*		1	17	1-34	17	2.4	12,537	4.87	610	19	25	+306	+.05	+19 +25
C4-21-64 475595 1717525 5-73					43		11,467	4.74	544					
567555 OINSMORE SUPER HESSIAN.....*		3	24	2-16,58	41	1.7	7,286	4.30	313	**	36	-350	.00	-15 -24
C1-22-64 526073 1755010 5-73					320		8,071	4.32	349					
567565 NORMANOY MASTER.....*		1	11	1-32	11	2.5	8,346	4.77	398	0	23	-27	+.04	+3 +2
05-08-63 528424 1971607 9-72					15		8,297	4.53	376					
567566 NORMANOY B CHIPPER.....*		2	8	1-32	10	1.5	8,113	4.31	350	**	22	-132	-.01	-7 -10
10-17-63 511244 1971615 1-73					21		8,579	4.42	379					
567567 NORMANOY TIMBO.....*		1	24	1-32	24	2.1	8,974	4.62	415	17	26	-196	+.02	-7 -12
C2-11-64 559695 1671559 5-73					32		9,701	4.57	443					
567591 HAMHURST FARMS MARKMAN.....*		4	19	1-52	35	2.4	9,648	4.75	458	22	39	-179	+.01	-7 -11
03-23-63 549235 1324273 5-73					24		10,120	4.75	481					
567635 BROWNIES FARMS OLYMPIAN.....		1	30	1-91	30	1.6	12,363	4.55	562	7	25	+260	-.05	+7 +14
C5-31-64 496783 1581488 5-73					35		11,472	4.71	540					
567636 BROWNIES FARMS OPAL OAIRYMAN..*		1	33	1-35	33	2.0	10,174	5.05	514	23	27	+10	.00	0 0
C5-24-64 496783 1828972 5-73					19		10,150	5.10	518					
567659 CORPORAL OF CLAYLAND FARM.....		1	20	1-35	20	1.8	7,597	4.98	378	23	25	-698	+.11	-22 -39
12-10-63 524759 1711085 5-73					8		10,486	4.51	473					
567693 MESABA K L COLONEL.....*		2	25	1-47	27	1.9	10,696	4.98	533	27	27	+20	+.03	+4 +4
10-21-63 533449 1862192 5-73					13		10,688	4.91	525					
567704 CHOCO NUGGETS HARVESTER.....*		2	14	2-31,55	16	1.8	10,159	4.99	507	25	25	0	+.04	+4 +3
08-28-64 556165 1570447 5-73					71		10,176	4.85	494					
567713 CONOVERS PATRON WILLIE.....*		1	20	1-22	20	1.6	9,704	4.83	469	24	23	+102	-.01	+4 +6
08-08-64 555132 2031664 5-73					83		9,180	4.90	450					
567732 IDEALS CALIPER.....*		7	7	7-15,22,	17	1.9	10,060	4.91	494	6	35	-12	+.07	+6 +5
C2-05-64 425345 1935462 1-73				23,31,33	59		10,105	4.73	478					
567736 GREEN FIELDS B PRINCE.....*		8	4	5-23,55,	17	2.7	10,418	4.35	453	21	45	+213	-.10	0 +6
09-29-62 511244 1850308 5-73				56,57,58	31		9,930	4.57	454					
567749 LINDEANS TINA FAVOR.....*	91-13	54	3	8-41,43,	111	1.6	10,405	4.50	468	27	83	-126	-.14	-20 -20
06-19-64 533769 1760815 5-73				82,91,92	18		10,617	4.68	497					
567802 GRAY HAVEN STARS COURAGEOUS...*		4	15	1-31	20	2.3	10,350	4.66	482	17	31	-118	+.04	-1 -4
11-26-63 556020 1870762 5-73					17		10,816	4.55	492					
567806 BOSQUES VALLEY PRINCE ANSON...*		2	6	1-74	11	1.5	10,623	4.24	450	17	28	+101	-.02	+3 +6
C7-20-64 505384 1991867 5-73					10		10,283	4.25	437					
567826 PRINCESSS PATRICK.....*		1	11	1-23	11	1.9	8,739	4.67	408	25	22	-244	.00	-11 -16
C4-23-64 525396 1980020 5-73					25		9,845	4.72	465					
567835 CLEARBRANCH NANCE NEPTUNE.....*		8	14	4-55,56,	46	1.9	10,795	4.38	473	12	50	-46	-.05	-7 -7
C8-22-64 533769 1970324 5-73				57,58	97		10,985	4.48	492					
567842 LYRENE MAESTROS MAJESTY.....*		6	6	3-14,16,	19	2.2	11,485	5.11	587	12	41	-40	+.14	+12 +9
01-01-64 531527 1762510 1-73				21	18		11,757	4.83	568					
567846 LYRENE ROYAL NANCE.....*		7	4	4-23,31,	14	1.9	11,908	4.79	570	30	38	+187	+.02	+11 +15
C3-12-64 533769 1939917 5-73				34,63	21		11,565	4.76	550					
567847 LYRENE NELLIES NANCE.....*	61-02	27	5	3-22,32,	66	1.7	10,032	4.75	477	21	72	-222	-.02	-12 -17
07-05-64 533769 1794909 5-73				34	20		10,375	4.81	499					
567848 LYRENE PRINCE SUPERIOR.....*		2	10	1-34	12	2.1	11,830	4.76	563	8	25	-128	-.03	-9 -11
07-12-64 553667 2086300 5-73					16		12,606	4.91	619					
567853 WESTLYNN LAWFUL CHARMER.....*		2	10	2-82,92	12	2.2	9,145	4.51	412	33	25	-209	+.05	-5 -10
C7-12-64 562387 1944734 5-73					27		9,984	4.32	431					
567855 GRAIN MEADOW O REX.....*		3	23	2-32,61	27	1.6	9,456	4.55	430	44	27	-29	+.01	0 -1
C1-10-64 557391 1994895 5-73					16		9,515	4.52	430					
567860 MCDONALD FARMS B HONOUR.....*	21-10	39	5	8-12,13,	70	1.7	10,708	4.35	466	20	73	+35	-.16	-14 -10
05-07-64 511244 2066687 5-73				16,21,23	21		10,730	4.57	490					
567862 KLONOIKE NANCES ZORO.....*		3	9	2-52,55	13	2.5	9,929	4.66	463	0	29	+123	-.02	+4 +7
C3-16-64 533769 1924130 5-73					26		9,443	4.73	447					
567865 KLONOIKE NANCES FALCON.....*		1	11	1-52	11	1.7	8,723	4.71	411	14	21	-238	.00	-11 -16
C6-15-64 533769 1642767 5-73					39		9,838	4.77	469					
567902 HOLLANOS SIR.....*		1	18	1-35	18	3.1	9,552	4.31	412	0	28	+96	-.05	-1 +2
10-06-63 533769 1919563 5-73					11		9,111	4.53	413					
567907 ROSEWOOD AM DESIGN.....*		4	19	2-33,56	55	1.5	9,981	4.56	455	33	46	-64	+.01	-2 -3
C2-16-64 556765 2005016 5-73					67		10,132	4.56	462					
567912 NORREN FARMS DISTINCTION.....*		1	10	1-23	10	1.6	11,439	4.34	496	57	20	+89	-.03	+1 +4
C6-14-64 536761 1845378 5-73					27		11,101	4.45	494					
567927 GERLAINE ACRES BILLY.....		1	27	1-35	27	1.2	8,864	4.96	440	**	23	-143	+.05	-2 -6
07-03-64 550943 2086953 5-73					20		9,426	4.80	452					
567934 WALMAN T LAOS OUKE.....*		3	14	2-91,92	21	2.2	11,101	4.51	501	0	32	+83	-.01	+3 +5
C3-02-64 535338 1759079 5-73					28		10,929	4.54	496					
567943 PINE VISTA AMBITION.....*		3	17	2-16,32	22	1.4	9,130	4.75	434	**	27	-52	+.02	0 -2
C7-29-64 551915 1689427 5-73					47		9,248	4.71	436					
568000 VOLPI RANCH V BILLY LUTE.....*		1	14	1-93	14	1.4	11,487	4.39	504	**	21	+99	-.01	+4 +6
C4-28-64 558722 1711283 5-73					9		11,127	4.39	488					
568009 MULHOCAWAY BUTTERFAT MUSKETEER*		2	15	1-41	25	1.8	8,794	4.61	405	25	34	-407	-.03	-22 -30
C9-09-64 493764 1585702 5-73					18		10,001	4.74	474					
568012 ROSENDAHL JOLLY ANCHOR.....*		6	11	3-15,16,	19	2.1	10,656	4.73	504	27	33	+78	-.02	+2 +4
C8-24-64 524993 1995306 5-73				21	28		10,466	4.81	503					
568017 RAEMELTON JOLLY CE VERN.....*		22	7	6-16,21,	60	2.2	10,716	4.62	495	17	68	-242	-.06	-17 -21
C6-26-64 524993 1858585 5-73				23,31,63	19		11,189	4.72	528					
568019 OEWAN FARMS VALIANT FINANCIER.*		2	17	2-21,32	19	2.1	8,290	4.43	367	20	27	-83	+.02	-2 -4
11-04-64 530291 2087939 5-73					21		8,451	4.37	369					
568036 LOCUST HILL LINOSAY.....*		7	4	1-31	17	1.4	10,300	4.55	469	**	39	+61	-.03	0 +2
C7-30-64 533769 1494399 5-73					21		10,159	4.64	471					
568048 MAPLE DAWN NANCES WARREN.....*		1	17	1-34	17	2.0	9,686	4.77	462	36	24	-10	-.01	-1 -1
07-10-64 533769 1987800 5-73					22		9,696	4.85	470					

REGISTRATION NUMBER / NAME / OF / BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HO	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS HM/DAU	REC/DAU HEROMATE	MILK	%	FAT	% 1ST INC	RSPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
568350 CHAPPELLS DUKES GENERAL.....*		3	5	3-52,56,	10	1.4	8,666	4.60	399	13	26	-149	+.06	-1	-5
C5-01-64 535492 1945299 9-72				72	40		9,168	4.36	400						
568355 CADENCE CREEK C CAPTAIN.....*		7	3	1-32	16	2.0	11,183	4.80	537	14	44	+274	-.04	+8	+15
C3-04-64 528424 1717280 5-73					16		10,013	4.96	526						
568387 BREEZY INN FRANK.....*		6	2	1-23	10	2.0	9,320	4.84	451	33	36	-232	+.08	-3	-9
C3-12-64 557094 1298555 9-72					24		9,971	4.64	463						
568398 ELMWOOD JULIETS VALOR.....*		3	27	1-42	31	2.2	10,131	4.58	464	4	30	+59	-.04	-1	+1
C6-09-64 558738 1935232 5-73					11		9,919	4.74	470						
568399 ELMWOOD HARRIETTAS VALOR.....*		6	8	2-42,47	26	2.2	10,444	4.52	472	16	46	+228	-.03	+7	+13
C7-22-64 556738 1947215 5-73					8		9,934	4.60	457						
568401 WARDELLS BRILLIANT ACTOR.....*		2	12	1-52	22	1.6	9,305	4.84	450	24	33	-278	+.09	-4	-12
C9-23-64 499468 2058020 5-73					19		10,157	4.60	467						
568436 BELLE TERRE SETH CHERUB.....*		5	9	3-55,56,	19	2.2	9,153	5.03	461	8	37	+18	+.09	+10	+9
10-28-63 516717 1583005 5-73				58	39		9,015	4.77	430						
568440 MONARCHS VISCOUNT.....*		1	13	1-35	13	1.7	8,580	4.57	392	38	22	-297	-.01	-15	-21
C4-18-64 529456 1832017 5-73					21		9,947	4.69	467						
568451 YELLOW CREEK BUTTERFAT JAMES..*		1	29	1-35	29	2.2	9,974	4.52	451	17	27	-124	+.02	-4	-7
12-31-63 555129 2128057 5-73					17		10,487	4.47	469						
568456 BAY MEADOW HANKS DANDY.....		1	47	1-93	47	1.6	10,329	4.54	469	21	26	-2	-.01	-1	-1
C2-25-64 554773 1767018 5-73					63		10,376	4.62	479						
568469 FEJRA MURIEL LEADER.....*	23-13	20	3	5-23,51,	40	1.8	9,931	4.66	463	14	65	+242	+.01	+12	+17
C7-26-64 543818 1940621 5-73				52,54,72	60		9,505	4.66	443						
568493 CHEOCO BLANCHES WARWICK.....*		5	7	3-35,42,	13	1.7	11,192	4.58	513	42	30	+55	-.03	0	+2
C9-18-64 523523 1919428 5-73				47	12		11,118	4.69	521						
568495 CHEOCO NANCES LAUNCELOT.....*		6	4	4-14,71,	14	1.7	12,275	4.71	578	25	36	-17	+.02	+1	0
10-18-64 533769 1944283 5-73				72,73	32		12,581	4.68	589						
568499 POPPY TRISUPER DENNIS.....		1	28	1-33	26	1.9	7,943	4.61	366	8	26	-190	+.02	-7	-11
10-27-64 527534 1778013 5-73					7		8,529	4.53	391						
568530 SHY VALLEY GRAND MERCURY.....*		1	27	1-63	27	2.0	7,872	4.93	388	0	26	-66	+.05	+2	0
C7-16-64 538210 1686046 5-73					6		7,916	4.70	372						
568537 CONOVERS PATRON MAX.....*		1	21	1-22	21	1.5	8,422	4.88	411	7	23	-177	.00	-8	-12
12-21-64 555132 2084736 5-73					83		9,087	4.93	448						
568543 MCDONALD FARMS MISTER HOOVER..*		4	6	1-35	12	1.3	8,462	4.88	413	27	28	-224	+.08	-2	-8
11-05-64 488786 1805862 5-73					24		9,182	4.55	418						
568544 FRANCHESTER B BFT CECIL.....*	31-02	4	13	2-31,56	29	1.8	10,609	5.14	545	8	38	-77	+.14	+10	+6
04-28-64 493764 1851126 5-73					07		10,902	4.82	525						
568563 BITTERSWEET PREMIERS MERIT....*		1	13	1-63	13	1.5	8,005	4.87	390	33	21	-201	+.04	-5	-10
08-14-64 542343 1925537 5-73					26		8,841	4.66	412						
568565 WOODACRES KING PHAROAH.....*		4	11	1-31	26	2.3	10,918	4.42	483	6	40	+158	-.11	-4	+2
05-06-64 523825 1918508 5-73					11		10,578	4.71	498						
568567 WOODACRES CHIEFS BONO.....*		11	7	6-22,23,	26	1.4	11,303	4.48	506	29	43	-38	-.05	-7	-7
06-08-64 425345 1618985 5-73				32,35,57	20		11,546	4.61	532						
568568 WOODACRES BUTTERFAT CARILLON..*		1	10	1-81	10	2.0	11,109	4.90	544	11	22	-172	+.01	-7	-11
06-26-64 493764 1808529 5-73					14		12,117	4.90	594						
568569 WOODACRES JOLLY DUKE.....*	35-05	41	4	7-33,35,	87	1.7	10,009	4.76	476	26	79	-352	+.12	-5	-15
06-27-64 530291 1920224 5-73				41,56,57	27		10,506	4.63	486						
568578 LAJXMONT SUZERAIN.....*		1	37	1-22	37	1.9	9,157	4.99	457	16	27	-25	+.02	+1	0
12-02-64 551915 2035521 5-73					77		9,170	4.92	451						
568585 LAJXMONT DRACONA.....		1	15	1-56	15	1.7	10,185	4.50	458	27	23	+143	-.04	+3	+7
12-16-64 550525 1830503 5-73					19		9,510	4.64	441						
568586 GREYSTONE KINGMO HALE.....*		5	3	2-21,63	10	1.3	11,317	4.54	514	44	29	+104	-.05	0	+3
06-26-64 554210 2205267 1-73					34		11,066	4.70	520						
568601 WILEEDA ARTI M GUSTAF.....*		4	9	3-21,23,	14	1.8	11,687	4.62	540	8	29	+32	+.03	+4	+4
01-01-65 425345 1717093 5-73				51	20		11,750	4.55	535						
568323 PRESTDALE FAMES VINCE.....*		1	21	1-42	21	1.7	11,135	4.80	535	18	24	+106	-.01	+4	+6
C8-22-64 556546 1836919 1-73					17		10,772	4.86	523						
568335 HILLTOP FARMS J V FREDDIE.....*		2	15	1-33	19	1.8	9,564	4.67	447	22	27	-96	+.04	0	-3
10-01-64 524993 2018767 5-73					27		9,911	4.55	451						
568340 GIPPY NANCE RIVAL.....*		10	3	3-56,57,	15	1.6	10,829	4.26	461	30	41	+140	-.11	-5	0
C8-14-64 533769 1803387 5-73				65	69		10,539	4.54	478						
568345 CEDARBROOK POLLYS EMORY.....*	21-10	71	6	12-11,14,	201	2.0	10,611	4.53	481	14	88	+13	-.05	-4	-3
11-27-64 533769 1762507 5-73				16,21,23	26		10,650	4.60	490						
568346 HOLLIKNOLL FAMES LINDY.....		1	10	1-52	10	1.7	9,620	4.58	441	**	21	-15	+.01	0	0
06-26-64 512974 2030899 9-72					15		9,662	4.56	441						
568384 MAJRANA S BUTTERFAT GRANGER...*		2	17	1-61	19	2.0	11,120	4.47	497	6	26	0	-.01	-1	-1
C8-19-64 527868 2076811 5-73					26		11,246	4.52	508						
568405 OUN ROAMIN ATLAS.....*		2	19	1-52	24	2.4	10,866	4.62	502	4	31	+126	-.06	0	+4
C9-30-63 511244 1730114 5-73					24		10,504	4.86	511						
568413 RIGGERT FARMS B LUKE.....*		4	7	1-47	14	1.5	9,350	4.82	451	10	30	-195	.00	-9	-13
C9-27-64 511244 2049012 5-73					21		9,991	4.88	488						
568446 LYRENE WISTARS MASTER.....*		3	11	1-23	17	1.8	12,030	4.67	562	21	30	+367	+.07	+24	+31
C4-12-64 537680 1991824 5-73					24		10,893	4.43	483						
568457 TWIN BROOK HAPPY PAUL.....*		3	13	1-23	17	1.5	9,448	4.86	459	23	26	-274	+.04	-9	-16
02-25-64 558553 1939445 5-73					23		10,563	4.75	502						
568497 THAYERS MARJIE NANCE JIM.....*		1	31	1-84	31	1.6	10,124	4.46	452	13	25	-37	+.02	0	-1
09-08-64 533769 2020765 5-73					16		10,304	4.36	449						
568498 OUN ROAMIN K JUPITER.....		3	7	1-52	16	3.3	9,741	4.69	457	17	37	+40	.00	+2	+3
C4-12-60 529480 1713907 5-73					19		9,587	4.69	450						
568502 LAY LAINE ODRIANS BRIGHT KING.*		1	14	1-58	14	1.3	11,651	3.87	451	15	21	+104	-.06	-1	+2
10-14-64 542759 2061665 9-72					86		11,268	4.06	458						
568518 VALLEY SET NANCES ANTHONY.....*		4	7	2-32,61	12	1.5	11,884	4.53	538	30	27	+221	-.10	0	+7
C7-12-64 533769 1439782 5-73					21		11,166	4.89	546						
568521 ANSMIL O IDEAL.....*		1	14	1-63	14	1.6	10,796	4.33	468	0	22	-129	+.06	0	-4
C6-08-64 551885 2091307 5-73					17		11,531	4.10	473						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HO	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS HM/DAU	REC/DAU HEROMATE	MILK	% FAT	FAT	% 1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
568530 OUTCH MILL NANCES VALCON.....		1	19	1-35	19	2.1	9,432	4.75	448	6	25	+9	+.03	+3	+3
10-30-64 533769 1930741 5-73					10		9,328	4.64	433						
568538 WASSONS IDOINES NUGGET.....*		8	19	4-43,71,	62	1.6	10,845	4.46	484	12	50	+329	+.01	+16	+23
10-12-64 556165 1792491 5-73				72,73	80		10,202	4.41	450						
568545 KLEINPETER FARMS W CHARMER....*		2	9	1-72	11	1.7	10,075	4.41	444	11	24	-2	.00	0	0
01-01-65 540203 1871433 5-73					52		10,095	4.42	446						
568548 BELNEMUS BEAUTY MARCUS.....*		1	17	1-52	17	1.8	9,963	4.56	454	29	23	+71	+.02	+5	+6
03-19-63 523866 1616643 5-73					26		9,614	4.45	428						
568577 PINE GROVE C CHAMPION.....*		2	10	1-52	12	2.3	8,448	4.43	374	10	25	-194	-.01	-10	-14
09-13-64 534882 1864031 5-73					47		9,131	4.52	413						
568582 SHAMROCK J V VALOR.....*		1	23	1-86	23	2.1	12,732	4.46	568	13	26	+77	+.05	+9	+10
08-06-64 530291 2019030 5-73					143		12,707	4.26	541						
568584 REO GATE FARM OTTIE.....*		3	26	1-33	36	1.7	9,883	4.73	467	9	32	+259	+.01	+13	+19
01-10-64 512974 2054908 5-73					9		8,962	4.70	421						
568585 REO GATE FARM PETE.....*		5	6	3-31,33,	14	1.3	8,329	4.66	388	44	30	-300	+.01	-13	-20
07-14-64 549235 2054918 5-73				43	11		9,262	4.68	433						
568600 ELMWOOD BUNNYS COLONEL.....*		2	40	1-35	47	1.9	9,386	4.34	407	11	31	-23	-.03	-4	-4
11-26-64 558738 1687067 5-73					11		9,400	4.47	420						
568619 NORGERTS NANCE DIANTHA.....		3	24	1-32	46	1.3	11,785	4.48	528	12	36	+484	-.02	+20	+31
10-02-64 533769 1832579 5-73					56		10,483	4.52	474						
568622 NORGERTS ROYAL NANCE QUEBEC...*		2	10	1-31	12	1.5	10,233	4.33	443	22	23	+224	-.10	-3	+7
12-30-64 533769 1746795 5-73					19		9,173	4.82	442						
568623 ROCKWOOD COUNT PULASKI.....*		1	15	1-52	15	1.2	10,709	4.72	506	0	21	+206	-.02	+7	+12
06-07-64 529456 1949647 1-73					26		9,677	4.68	472						
568659 PINE VISTA REX.....*	48-01	83	11	18-43,51,	282	1.6	9,945	4.49	447	19	87	-235	-.07	-18	-22
01-23-65 549235 1965686 5-73				63,65,72	54		10,236	4.58	469						
568698 GOLDEN OEW NANCES EO.....		2	22	1-35	24	2.0	9,949	4.52	450	5	27	+21	-.04	-3	-2
08-31-64 533769 2050887 5-73					15		9,854	4.71	464						
568702 CROWN STONE CHIEFS QUINTUS....*		1	22	1-51	22	1.5	8,665	5.33	462	11	24	+20	+.09	+10	+9
12-01-64 528424 1862677 1-73					27		8,420	4.90	413						
568715 SUPERIORS STARKING.....*		2	10	1-51	13	1.3	9,512	4.45	423	8	24	+168	-.07	+1	+6
09-21-64 522908 2032791 9-72					24		8,675	4.80	416						
568720 NORREN NANCES LAO.....*		2	14	1-23	16	1.9	10,952	4.76	521	13	26	+162	+.04	+12	+15
12-16-64 533769 1558263 5-73					28		10,350	4.59	475						
568730 SUNESLOPE DOMINANT ELNATHAN...*		1	29	1-48	29	2.9	8,353	5.16	431	4	29	-62	+.04	+1	-1
09-05-63 557036 2118776 5-73					24		8,427	5.06	425						
568735 OAKLANOS HERMES.....*		1	13	1-11	13	1.9	9,124	4.52	412	10	23	-310	-.03	-17	-23
01-11-65 512974 1946353 5-73					9		10,535	4.68	493						
568737 CLEVERLANDS NANCE BOY.....*		2	21	1-93	23	1.5	13,529	4.21	569	19	25	-142	+.04	-3	-7
03-20-64 533769 1561120 5-73					125		14,552	4.10	597						
568742 RUSHCREEK V VICEROY.....*		1	14	1-34	14	2.1	10,844	4.94	536	13	24	-3	+.03	+3	+2
03-10-65 539742 2076209 5-73					57		10,955	4.83	529						
568755 KIMBERTON SP GEMS KING.....*		1	26	1-23	26	2.4	9,458	4.78	452	21	27	-109	-.02	-7	-9
05-15-64 551464 1769769 5-73					30		9,845	4.92	484						
568764 DIVERSIFIED BUSTER.....*		5	10	4-81,82,	17	2.5	12,162	4.19	510	6	33	+301	-.11	+3	+12
12-29-63 533769 2017799 5-73				86,91	61		11,390	4.44	506						
568781 BLAKEFORD GOVERNORS NAVIGATOR.*		3	23	3-23,51,	27	1.4	8,314	4.62	384	22	26	-294	-.06	-19	-24
05-27-64 550793 1835097 5-73				58	43		9,372	4.91	460						
568804 VILLA CREST P VALIO.....*		1	16	1-32	16	1.8	11,575	4.88	565	29	23	-132	+.03	-3	-6
10-11-64 552773 2053952 5-73					19		12,377	4.82	596						
568808 LAKE LOUISE FORTUNES VALIANT..*		6	8	3-21,23,	19	1.4	10,760	4.90	527	38	34	+98	+.11	+16	+16
11-07-64 528754 1819547 5-73				58	43		10,525	4.57	481						
568809 EOISTO FARMS S BRIAN.....*		11	4	5-55,56,	26	1.7	10,411	4.38	456	11	51	+10	-.09	-9	-7
07-29-64 556020 1967621 5-73				57,63,64	61		10,432	4.56	476						
568832 ROETTA OARI ROGER.....*	35-05	155	5	24-35,41,	403	1.5	10,147	4.75	482	18	93	-399	+.10	-9	-19
11-03-64 546331 2169066 5-73				42,72,91	25		10,636	4.66	496						
568834 IDEALS SOLOMON.....*		5	6	2-58,64	14	1.9	10,212	4.36	445	23	33	+247	-.02	+9	+15
06-14-64 540197 2012846 5-73					12		9,390	4.38	411						
568839 YELLOW CREEK MR SPECIAL.....*		3	22	2-35,61	26	1.7	9,354	5.04	471	20	27	-262	+.04	-8	-14
05-11-64 560067 1869059 5-73					10		10,354	4.93	510						
568840 YELLOW CREEK G WARRIOR.....*		2	14	1-34	16	2.1	10,889	5.31	578	23	26	-141	+.11	+4	-1
01-11-64 550915 2128059 5-73					10		11,589	4.94	572						
568843 MERYLS CHIEF OF JEWEL SUPREME.*		7	4	2-42,47	14	1.8	10,379	4.93	512	21	37	+20	+.07	+8	+7
02-08-65 475595 2144989 5-73					15		10,356	4.76	493						
568845 PAULSONS VICTOR OF LAY LAINE..*		2	9	2-16,58	11	1.1	11,687	3.92	458	13	21	+103	-.08	-3	+1
01-02-65 533774 1991035 5-73					79		11,315	4.22	478						
568864 ELMWOODS DONALO.....*		4	28	1-34	35	1.8	11,097	4.82	535	9	30	+269	.00	+12	+18
05-19-64 557331 2122150 5-73					13		10,228	4.88	499						
568866 HOMINY HILL ASTOR.....*	91-11	37	3	12-23,35,	65	1.6	9,504	4.65	442	21	75	-710	+.06	-27	-44
03-18-64 540669 1801354 5-73				41,42,91	13		10,497	4.58	481						
568870 WOODACRES CHIEFS FORTUNE.....*		9	15	3-57,63,	44	1.7	9,052	4.81	435	24	47	-706	+.07	-26	-43
09-22-64 425345 1805826 5-73				64	89		10,614	4.67	496						
568872 WOODACRES NANCES VALIANT.....		2	155	2-73,85	157	1.6	11,301	4.23	478	15	28	-29	-.03	-4	-4
11-07-64 533769 1701629 5-73					653		11,561	4.31	498						
568898 MERI JONS MARSHALL ROMEO.....*		1	35	1-31	35	1.6	11,242	4.82	542	9	26	+273	-.02	+11	+17
01-27-65 559347 2018658 5-73					11		10,197	4.92	502						
568905 MARGENDELL GOLDEN EMBLEM.....*		1	18	1-33	18	1.9	10,359	4.41	457	15	24	+241	-.04	+7	+13
08-27-64 549235 2161741 5-73					13		9,284	4.57	424						
568923 MCCULLOUGHS HUGO NAPOLEON.....*		1	18	1-23	18	1.8	10,621	4.74	503	28	24	0	+.05	+5	+4
11-11-64 544991 2111123 5-73					27		10,686	4.55	486						
568924 WHITE HALLS HALS PATHFINDER...*	31-07	16	4	2-52,54	34	1.7	10,078	4.64	468	4	59	+292	-.04	+9	+16
03-05-65 541009 1838391 5-73					28		9,531	4.73	451						
568927 MONTE VISTA FARMS BANOLEADER..		1	17	1-93	17	1.2	10,114	4.65	470	67	21	-193	+.07	-2	-7
05-16-64 552926 1783672 9-72					34		11,152	4.38	489						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS	REC/DAU HEROMATE	MILK	%	FAT	% 1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
568935 MCDONALD FARMS JV INSPIRATION.*		1	11	1-13	11	1.6	11,756	4.65	547	30	21	-26	+.04	+3	+2
C2-06-65 530291 2098609 1-73					8		12,092	4.47	540						
568938 MR MIKE OF PRIMROSE LANE.....*		3	16	3-23,31,	23	1.9	8,815	4.55	401	0	31	-106	.00	-5	-7
07-10-64 550942 2055568 5-73				32	14		9,068	4.59	416						
568965 LYRENE PRINCE DUKE.....*	31-07	9	11	3-16,31,	32	1.3	12,314	4.91	605	18	41	+52	+.08	+10	+10
08-31-64 553667 2036257 5-73				34	29		12,429	4.77	593						
568967 LYRENE PRINCES MARK.....*		4	7	2-23,31	20	2.2	11,471	4.42	507	20	41	+102	-.04	+1	+4
11-12-64 553667 2036256 5-73					20		11,354	4.49	510						
568588 OESRPATH MAJESTYS POPGUN.....*		1	20	1-52	20	2.0	11,060	4.52	500	8	25	+145	-.06	+1	+5
C5-09-64 559700 1431729 5-73					26		10,534	4.77	502						
569009 BELLE VISTA NANCES ROYAL.....*		3	10	1-31	16	2.1	12,448	4.79	596	27	31	+313	-.04	+10	+18
C1-30-64 533769 2012418 5-73					11		11,599	4.95	574						
569039 YELLOW CREEK BFT WATCHMAN.....*		11	14	4-31,32,	38	2.0	11,916	5.16	615	19	45	-143	+.05	-2	-6
C5-01-64 547583 1920083 5-73				43,57	22		12,479	5.13	640						
569050 MAPLE DAWN AMBA BEAMER.....*		1	12	1-34	12	1.3	10,585	4.76	504	56	20	-179	-.02	-10	-14
12-23-64 563052 2192403 5-73					16		11,639	4.91	571						
569061 HYCREST HORNETS LOREN.....*		5	6	3-43,48,	16	1.7	8,555	4.35	372	25	36	-526	-.05	-29	-40
C3-16-64 555819 2129190 5-73				84	8		10,028	4.55	456						
569125 FREDELLA ROYAL KNIGHT.....*		2	9	1-41	11	2.1	9,542	4.76	454	17	25	-75	-.04	-7	-8
09-12-64 533769 2136557 5-73					10		9,830	4.97	489						
569136 GOIN FARMS BILLYS BO.....*		2	15	2-42,47	17	2.2	11,104	4.71	523	35	26	-66	+.03	0	-2
10-18-63 563299 2155799 5-73					16		11,509	4.61	530						
569164 MAYWOOD ROAD C KING TRIUMPH...*		2	15	1-41	17	2.0	9,683	4.85	470	6	26	-129	+.03	-3	-6
C1-20-64 535688 1486709 5-73					15		10,204	4.76	486						
569171 FAVAS NOBLE CHAMPION.....*		1	33	1-23	33	1.7	10,318	4.65	480	39	26	-256	+.02	-10	-16
10-10-62 512974 1508030 5-73					25		11,433	4.63	529						
569182 KELLOGG JEFF.....*		5	4	1-34	12	1.7	11,130	4.58	510	67	33	-195	-.02	-11	-15
C1-12-65 549588 1995937 5-73					51		11,912	4.65	554						
569189 IGLAS JOLLY TONY.....*		2	11	1-42	14	1.6	9,081	4.77	433	14	26	-13	+.03	+2	+1
10-30-64 524993 1952840 5-73					11		9,038	4.68	423						
569223 HO ETTES FAME MR GREAT.....*		9	7	3-48,71,	35	1.6	11,169	4.70	525	20	53	+467	-.03	+18	+29
C8-14-64 512974 1859980 5-73				73	15		10,315	4.79	494						
569225 ELDRAFARM JULIAS HOUDEANIE....		2	7	1-35	10	1.5	9,240	4.95	457	11	24	-183	+.06	-3	-8
10-23-64 522508 1709913 1-73					27		10,607	4.76	476						
569237 GOLDEN HILLS FAMES SARGEANT...*		10	2	3-31,32,	12	1.5	9,474	4.55	431	38	39	-150	-.04	-11	-14
C5-27-64 512974 2152965 5-73				61	10		9,842	4.68	461						
569239 VALLEYSIDE BUTTERFATS OIMPLE..*		1	18	1-16	18	1.5	9,200	4.55	419	**	23	-117	+.01	-4	-7
10-24-63 529773 1252613 5-73					15		9,678	4.54	439						
569266 KEDDRIAS NANCE KING.....*		1	26	1-48	26	1.9	8,537	4.00	393	17	26	-111	+.03	-2	-5
C2-04-65 533769 1861316 5-73					10		8,860	4.51	400						
569270 AL OO JOIE.....*		2	11	1-42	16	1.9	6,972	4.83	337	31	29	-238	+.01	-10	-15
10-12-64 561963 2123115 5-73					9		7,562	4.83	365						
569287 EBER LEA FARMS PRINCE FLASH...*		7	10	3-23,31,	21	1.3	10,806	4.92	532	19	34	+35	+.03	+5	+5
C8-28-64 546422 1949396 5-73				57	15		10,775	4.84	522						
569288 EBER LEA FARMS WINSTON.....*	31-07	32	3	8-23,31,	56	1.6	11,144	4.64	517	6	73	+537	-.01	+24	+36
11-18-64 537680 2016441 5-73				32,33,61	17		10,448	4.65	486						
569318 GAYLORD VALS TALISMAN.....*		4	7	2-73,74	17	1.2	10,941	4.52	494	14	32	+68	+.03	+6	+7
C1-02-65 530291 1696821 5-73					77		10,808	4.42	478						
569329 PINE TREE FARM DUKE.....*		1	27	1-23	27	1.4	9,077	4.42	401	0	24	+70	-.02	+1	+3
12-14-64 533769 2019534 5-73					7		8,648	4.52	391						
569332 GYPSY BILLYS VIRGIL.....*		3	3	2-86,93	10	1.5	11,464	4.62	530	20	30	-115	+.05	0	-3
C5-21-64 511244 1849656 9-72					32		12,056	4.46	538						
569342 VALLEY GEM GLAD LAD.....*		2	22	2-91,93	24	2.5	9,838	4.53	446	13	29	-106	+.02	-3	-6
C7-11-63 496783 1421314 5-73					36		10,231	4.51	461						
569344 WAFLES O S LOREN.....*		1	16	1-35	16	1.7	9,417	4.56	429	6	23	-194	.00	-9	-13
C8-23-64 457224 2033306 5-73					7		10,281	4.60	473						
569360 FOJR J NOBLE NED.....*		1	18	1-33	18	1.6	9,640	4.53	437	38	23	-155	.00	-7	-10
12-09-63 558561 2073568 5-73					15		10,345	4.57	473						
569377 GOLDEN DEW MAGGES MILLARO.....*		3	19	2-72,74	33	1.6	8,322	4.39	365	23	35	-104	+.01	-4	-6
04-02-64 512974 2004588 5-73					26		8,462	4.38	371						
569391 EBER ACRES 8 MASTER.....*		2	8	1-31	11	2.1	10,419	4.92	513	0	26	-58	+.03	0	-2
10-10-64 550942 1941701 5-73					10		10,714	4.89	524						
569397 RED LEVEL PERT RAMBLER.....*		3	9	1-52	20	1.3	9,986	4.56	455	0	34	-70	-.02	-5	-6
02-11-65 558829 1370826 5-73					23		10,216	4.64	474						
569405 BAY MEADOW BILLYS DUCE.....*	35-05	31	3	3-35,42,	53	1.8	10,858	4.49	488	19	73	+12	-.09	-8	-6
C7-28-64 511244 1684842 5-73				93	24		10,932	4.61	504						
569414 SMITHFIELD FORTUNES GLAMOROUS.*		1	14	1-21	14	2.5	10,326	5.10	527	14	25	+59	+.06	+9	+9
C8-06-64 528754 1783385 5-73					68		10,099	4.90	495						
569455 CARMIL FARMS NANCE SON SUPREME*		3	20	1-41	37	1.3	9,902	4.64	459	23	35	+129	-.04	+2	+6
C6-26-64 533769 2069894 1-73					24		9,474	4.76	451						
569487 CRUM ELBOW DORMAN.....*		2	23	1-21	25	1.9	8,116	5.00	406	30	27	-346	+.06	-10	-19
01-15-64 533769 1450513 5-73					17		9,346	4.77	446						
569491 MANATAWNA T PRINCE.....*		10	4	2-32,34	17	1.7	11,204	4.90	549	13	41	-16	+.03	+2	+1
C1-04-65 531473 2128057 1-73					14		11,381	4.87	554						
569492 PAWNEE MEADOWS CHIEF GLIMMER..		2	6	1-48	10	1.2	9,141	4.89	447	60	24	-34	+.02	0	-1
08-04-64 425345 1621881 9-72					12		9,205	4.87	448						
569503 PRAIRIE VIEWS B O.....*		6	5	2-32,33	17	1.8	9,661	4.68	452	8	40	-141	+.01	-6	-9
10-03-62 496783 1688327 5-73					14		10,613	4.69	470						
569513 KOKOSINGS ROYAL HORNET.....*		2	10	1-31	15	1.0	10,373	4.40	456	36	24	-78	.00	-4	-6
10-18-64 533769 1985201 5-73					23		10,776	4.43	477						
569518 FIRESIDE FLASHS KING.....*		1	11	1-31	11	1.6	10,832	4.50	487	45	21	-81	-.01	-5	-7
C1-27-65 548269 2022655 5-73					8		11,353	4.58	520						
569554 MARDY MANOY FAME.....*		1	14	1-56	14	2.4	11,619	4.29	499	0	25	+83	-.02	+2	+4
04-22-64 512974 1861575 5-73					24		11,422	4.32	494						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HD	STATES WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS	REC/DAU HM/DAU	MILK HERDMATE	% MILK	% FAT	FAT	1ST LNC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
569571 ANJVADALES SUZANNE 8RILLIANT..*		2	7	1-51	11	1.8	8,793	4.58	403	25	27	0	.00	0	0
02-21-65 499468 1916556 5-73					18		8,660	4.63	401						
569590 LAKE LOUISE NOBLE FLASH.....*		7	2	3-21,23,	14	1.3	10,376	4.45	462	46	39	-215	-.06	-16	-20
03-05-65 506916 2159853 5-73				58	31		11,030	4.61	509						
569609 MAPLE BROOKS GEORGE.....*		3	26	2-86,92	32	1.2	10,192	4.49	458	25	27	-128	+.02	-4	-7
12-10-64 511244 1926037 5-73					24		10,753	4.45	478						
569634 FERN SPRING LEZAS CHIEF.....*		1	13	1-23	13	1.0	10,053	4.95	498	**	19	+185	+.04	+13	+16
02-09-65 563708 1712638 5-73					3		8,975	4.74	425						
569668 RDES MOR N DESIGNER.....*		3	9	1-34	13	2.0	12,588	4.51	568	8	27	+182	-.05	+3	+8
10-05-64 533769 1987426 5-73					25		12,132	4.67	566						
569688 LEA DALES T MONARK.....*		4	5	2-33,43	12	1.6	8,236	4.78	394	17	32	-111	+.01	-4	-7
07-09-64 549235 1661145 5-73					19		8,428	4.78	403						
569731 NYALA ATHENAS PREDICTION.....*		3	5	2-16,23	11	1.5	10,465	4.31	451	18	29	-2	-.09	-9	-7
09-03-64 555819 1942703 5-73					53		10,526	4.66	490						
569732 NYALA FERNS ADVANCER.....*	23-09	8	4	4-16,23,	18	1.3	9,997	4.56	456	50	41	-236	-.02	-13	-18
09-07-64 475548 1575732 5-73				32,51	15		10,642	4.63	493						
569748 SPRING LANE GOVERNORS CAPTAIN.*		1	14	1-31	14	1.9	9,438	4.45	420	17	23	+69	-.04	-1	+1
09-23-64 550793 2095271 5-73					5		9,040	4.72	427						
569749 MENDALE SUPREME CHARGER.....*		1	25	1-31	25	2.1	8,953	4.70	421	8	26	+27	-.01	0	+1
09-20-64 531573 2051584 5-73					6		8,721	4.78	417						
569752 LONE PALM LANCER.....*		1	22	1-93	22	1.4	12,172	4.66	567	**	23	-110	+.02	-3	-6
02-08-64 549973 1680655 5-73					33		12,938	4.63	599						
569759 MAPLE ROW FORTUNES BULLETIN...*	72-01	10	4	4-51,52,	21	2.0	9,925	4.57	454	5	48	+75	+.02	+5	+6
01-09-65 528754 1735681 5-73				54,72	69		9,740	4.53	441						
569768 LOOKWELL E EMBLEM.....*		2	13	1-32	15	1.4	11,021	4.82	531	7	23	+388	+.01	+19	+27
08-26-64 544342 1553150 5-73					16		9,272	4.85	450						
569777 PINE RIDGE BRILLIANTS HAPPY...		2	20	1-41	27	1.6	10,324	4.88	504	25	29	-33	-.01	-3	-3
04-01-64 552674 1923271 5-73					16		10,485	4.98	522						
569809 ROYLANN CHERRYFAMES NANSIR....*		4	14	2-21,91	19	2.1	14,148	4.28	605	12	30	+544	-.13	+11	+26
10-23-64 533769 1775283 5-73					8		12,571	4.60	578						
569828 LOCKSHORE NANCE LANCELOT.....*		3	13	1-34	24	1.4	11,682	4.36	509	27	33	+41	-.08	-6	-4
02-03-65 533769 1962567 5-73					31		11,730	4.60	539						
569831 BIRCH KNOLL TARBELLS FAME.....*		4	3	3-16,23,	12	1.8	8,028	4.58	368	25	35	-141	-.01	-7	-10
06-24-64 550299 1349590 5-73				51	24		8,254	4.65	384						
569876 LOOKWELL T FALCON.....*		1	26	1-32	26	1.8	9,795	4.85	475	23	26	-67	+.05	+2	0
08-19-64 544342 1548119 5-73					15		10,054	4.65	468						
569881 SUNNYCREST LOUIE.....*		2	10	2-86,92	12	2.4	13,010	4.23	550	11	26	+175	-.03	+5	+9
03-24-64 528777 1805102 5-73					144		12,595	4.28	539						
569882 ROY MAE STAR.....*		2	19	1-23	24	1.7	9,975	4.70	469	15	29	+69	-.01	+2	+4
03-06-65 533769 1883962 5-73					15		9,701	4.75	461						
569907 WALKER FARMS BILLYS FREEDOM...*		1	22	1-65	22	1.6	11,393	4.70	536	25	24	-67	+.02	-1	-3
01-01-65 511244 1744140 5-73					97		11,856	4.67	554						
569915 SHADY VIEW V JACK.....*		8	2	4-33,43,	15	1.7	9,253	4.21	390	7	43	-52	-.08	-10	-10
08-02-64 512974 1613806 1-73				71,73	13		9,333	4.40	409						
569927 MULHOCAWAY BUTTERFAT SUPER....*		1	12	1-23	12	1.6	11,191	4.39	491	25	21	-43	-.07	-9	-9
06-02-65 541009 2092129 5-73					18		11,552	4.74	548						
569928 PECKS OANDY FRIAR.....*		3	15	1-33	20	2.1	10,530	4.57	481	24	30	+216	-.04	+6	+11
05-24-64 550834 2140641 5-73					17		9,774	4.70	459						
569943 BAYVILLE DANGRA.....*		1	28	1-52	28	1.8	10,093	4.73	477	19	26	-107	+.04	-1	-4
01-30-65 499283 2057532 5-73					149		10,569	4.62	488						
570004 WINDEMERE F BRILLIANT.....*		1	16	1-33	16	1.7	8,065	4.87	393	14	23	-258	+.04	-8	-14
12-22-63 542789 1708215 5-73					19		9,114	4.69	427						
570012 FERN HILL HUSTLER.....		1	10	1-35	10	1.5	7,778	4.76	370	44	20	-181	.00	-8	-12
12-26-64 559485 2118437 5-73					9		8,547	4.82	412						
570015 DUMAR FARM NANCES LADDIE.....*		3	13	2-72,74	17	1.8	9,328	4.51	421	9	27	-224	+.02	-8	-13
11-17-64 533769 1696723 5-73					51		10,183	4.47	455						
570037 CLOVER OVERS MONA SENTINEL....*		1	35	1-61	35	1.7	8,538	4.49	383	23	26	-213	.00	-10	-15
10-30-64 561796 2078459 5-73					29		9,284	4.53	421						
570047 MISTY MEADOWS M G L 8 TOMMY...*		13	2	7-35,52,	19	2.0	9,973	4.68	467	28	52	-149	+.07	0	-5
12-15-64 499468 1918210 5-73				55,56,57	33		10,287	4.55	468						
570057 MAXVALES FOREMOST WILL.....*		2	8	1-91	15	1.7	10,267	4.87	500	15	32	-97	+.05	0	-3
08-21-64 558793 1854110 1-73					25		10,637	4.76	506						
570058 MAXVALES FOREMOST JUMP.....*	35-05	3	14	1-91	18	2.5	11,692	4.64	542	6	30	+517	-.01	+23	+35
09-25-64 558793 2260417 5-73					38		9,944	4.68	465						
570097 YELLOW CREEK BFT SENSATION....*	35-21	15	3	3-32,34,	30	1.7	11,553	4.80	554	10	57	+349	+.03	+19	+26
05-29-65 528424 1896456 5-73				35	18		11,042	4.77	527						
570100 RIDGEROLL NOBLE KING.....*		2	16	1-41	18	1.9	9,983	4.86	485	6	26	-92	+.04	0	-3
03-20-65 541009 1899277 5-73					15		10,375	4.71	489						
570110 DULUTH G GALLANT GERRY.....*	35-21	9	2	3-41,42,	14	2.1	10,055	4.55	458	23	44	-70	-.06	-9	-10
04-15-65 516703 1884515 5-73				47	13		10,237	4.72	483						
570111 GRAYSMARSH BALBOA.....*		4	12	1-91	21	1.7	13,260	4.40	584	10	33	+501	-.17	+5	+19
07-20-64 551586 1730813 5-73					26		11,948	4.85	580						
570117 BROWNIES FARMS OMAR.....*		4	7	2-91,92	20	1.3	10,617	4.33	460	11	37	+49	-.08	-6	-3
04-09-65 535688 2132278 5-73					37		10,535	4.58	482						
570129 FRIENDSHIP MAXIM DESTINY.....*		6	2	1-23	11	1.1	10,436	4.66	486	50	32	-155	+.06	-1	-6
01-02-65 510148 1883608 1-73					37		11,015	4.50	496						
570144 BELL LAWN HONEST ABE.....*		3	11	1-32	15	1.9	11,646	4.60	536	14	27	+207	-.04	+5	+10
11-08-64 555391 2186253 5-73					27		10,986	4.77	524						
570182 LAVON FARMS BILLYS CORKY.....*		1	12	1-74	12	1.7	10,018	4.59	460	18	22	-183	+.03	-5	-10
02-21-65 511244 1904327 5-73					71		10,965	4.48	491						
570184 YELLOW CREEK T SATALITE.....*		1	10	1-34	10	1.6	10,912	4.76	519	25	20	-13	-.01	-2	-2
11-06-64 531473 2131148 1-73					28		11,086	4.90	543						
570186 YELLOW CREEK MR APOLLO.....*		2	8	1-42	13	2.1	10,038	5.25	527	38	29	-90	+.09	+5	+1
11-12-64 560067 2182242 5-73					9		10,394	4.95	515						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS HM/DAU	REC/DAU HEROMATE	MILK	% MILK	FAT	% FAT	1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
570187 YELLOW CREEK BFT STATESMAN....*	21-10	39	3	12-11,12,	78	1.8	10,290	4.74	488	15	78	-133	+.07	+1	-3
11-04-64 547583 2156623 5-73				21,23,32	28		10,509	4.66	490						
570199 BERNELL DISPATCH.....*		1	26	1-41	26	1.5	10,549	4.59	484	38	24	-80	-.03	-7	-8
12-20-64 529773 1996531 5-73					12		10,976	4.76	522						
570201 UNEEDA OAKMARS V FAME.....*		1	12	1-35	12	2.3	10,071	4.47	450	0	24	+95	-.07	-3	0
04-27-65 512974 2111700 5-73					5		9,632	4.87	469						
570216 PINECREST ACRES TOP COMMANDER.*		2	8	1-35	16	1.4	9,937	4.60	457	**	31	+25	-.07	-6	-4
08-27-64 549235 1944148 5-73					9		9,837	4.89	481						
570231 ELK MANOR DIANTHUS.....*		3	8	3-22,23,	13	2.2	8,439	4.57	386	9	29	-95	-.04	-8	-9
11-09-64 556159 1825477 5-73				51	36		8,625	4.77	411						
570255 MINELOA REWARD.....*		1	22	1-41	22	1.6	9,554	4.41	421	0	24	+54	-.01	+1	+2
08-01-64 533759 1665720 1-73					11		9,252	4.47	414						
570268 MONTCLAIR LAVON JERRY.....*		1	10	1-31	10	1.6	9,599	4.43	425	33	20	-107	+.01	-4	-7
01-06-65 524993 1952047 9-72					17		10,154	4.43	450						
570269 OUMAR FARM R VS LEADER.....*		1	29	1-23	29	1.8	8,512	4.21	358	8	26	-118	-.02	-7	-9
11-16-64 562431 2167666 5-73					74		8,850	4.28	379						
570271 F L F NORGERTS ABBY ARAN.....*		2	8	1-52	14	1.8	10,828	4.59	497	0	30	+228	-.02	+8	+13
05-05-65 533769 1916411 5-73					25		10,060	4.67	470						
570275 WOODACRES ROYAL FLASH.....*		2	10	1-23	20	1.8	11,214	4.87	546	20	34	+157	+.04	+11	+14
02-25-65 475548 1882988 1-73					24		10,837	4.79	519						
570278 WOODACRES ABLE CHIEF.....*		2	11	1-31	16	1.8	10,463	4.95	518	19	28	-230	+.08	-3	-9
03-26-65 425345 2066712 5-73					29		11,415	4.72	539						
570295 FAUVER HILL HALS ORBIT.....*	35-21	63	4	5-35,41,	127	1.4	9,973	4.60	459	12	83	-261	-.07	-19	-23
03-11-65 541009 1893147 5-73				42,47,91	16		10,317	4.71	486						
570296 YELLOW CREEK BFT VALOR.....*		6	8	1-57	28	1.5	11,976	4.90	587	11	45	+236	+.11	+22	+25
02-28-65 547583 1222895 5-73					51		11,608	4.70	546						
570299 YELLOW CREEK MR HONORABLE.....*		8	4	3-32,57,	17	1.5	9,857	4.99	492	25	42	-160	+.05	-2	-6
04-24-65 560067 1522995 1-73				61	17		10,266	4.90	503						
570300 YELLOW CREEK T SHAWN.....*		7	8	3-48,71,	35	1.3	8,907	4.66	415	0	49	-434	+.11	-9	-21
01-25-65 531473 2096625 5-73				73	52		9,773	4.42	432						
570302 OINSMORE PAULSON BURKE.....*		1	10	1-58	10	1.3	7,153	4.32	309	0	19	-229	+.01	-10	-15
01-28-65 533774 1293395 1-73					336		8,174	4.34	355						
570307 GRAIN MEADOW D HORNET.....*		5	12	2-32,33	30	1.8	8,707	4.54	395	17	42	-264	-.03	-15	-20
02-19-65 557391 1908462 5-73					19		9,268	4.65	431						
570308 GRAIN MEADOW O HERMAN.....*		1	13	1-32	13	1.3	9,916	4.19	415	69	21	-14	-.02	-3	-3
03-09-65 557391 1813068 5-73					20		9,986	4.30	429						
570319 ODRELLA NANCES JUDGE.....*		3	17	2-86,93	24	1.4	11,627	4.61	536	16	29	-16	-.01	-2	-2
01-31-65 533769 2004696 5-73					89		11,872	4.67	554						
570336 GOLDEN HARVEST WYN SULTAN.....*		4	11	4-21,23,	16	1.6	9,736	4.64	452	29	28	-145	-.03	-10	-13
02-03-65 555819 1906229 5-73				51,52	14		10,280	4.82	495						
570341 PINEHURST PATRIARCHS ACTOR.....*		2	11	1-33	13	1.3	11,282	4.71	531	0	22	+260	-.02	+10	+16
01-02-65 552098 2040276 5-73					8		10,125	4.81	487						
570347 MAPLE DAWN OAGON LUSTY.....*		1	17	1-34	17	1.6	9,807	4.90	481	6	23	+43	-.02	0	+1
04-29-65 543558 1798279 5-73					9		9,572	5.08	486						
570349 GWYNLLAN HONORABLE.....*		11	2	2-23,52	14	1.6	9,780	4.49	439	13	44	+154	-.09	-2	+3
06-26-65 543411 1829445 5-73					17		9,360	4.74	444						
570367 SPRING RIDGE G BADGER.....*	23-13	31	2	8-12,16,	51	1.8	10,112	4.61	466	15	72	-120	.00	-6	-9
03-26-65 459489 1874596 5-73				21,22,23	25		10,309	4.63	477						
570379 MER OONS JOETTES PRINCE.....*		2	19	1-31	23	1.8	9,781	4.84	473	**	28	+269	.00	+12	+18
12-08-64 533759 2110191 5-73					27		8,679	4.91	426						
570444 SHAMROCK PR SELECT.....*		1	15	1-86	15	1.7	11,543	4.30	496	7	23	-80	+.01	-3	-5
02-04-65 491754 2102099 5-73					173		12,103	4.30	520						
570452 GOLDEN HARVEST WYN LINUS.....*		5	21	3-16,21,	28	1.3	9,466	4.88	462	27	28	-207	+.02	-8	-13
03-29-65 555819 1946605 1-73				51	69		10,219	4.86	497						
570474 FISHER FARM MASTERMAN.....*		1	11	1-12	11	1.6	9,990	4.82	482	27	21	-183	+.02	-6	-10
02-20-65 563756 1711251 5-73					16		10,967	4.75	521						
570480 IDEALS SUPEREGO.....*		1	15	1-32	15	1.5	11,575	4.41	511	0	22	+354	-.06	+10	+19
01-07-65 527534 2012844 5-73					13		9,981	4.70	469						
570498 ROSEWOOD AM COPYRIGHT.....*	91-13	3	25	2-92,93	31	1.6	12,983	4.42	574	6	29	+52	-.03	-1	+1
01-25-65 556765 2123203 5-73					22		13,108	4.53	594						
570524 MONARCHS SCHOLAR.....*		1	27	1-35	27	1.8	10,032	4.75	477	27	26	+82	-.05	-1	+2
02-13-65 518098 2031532 5-73					32		9,678	5.04	488						
570505 HAM FARM C LANCES HERO.....*		1	28	1-52	28	1.7	9,308	4.76	443	16	25	-147	+.01	-6	-9
01-15-65 546352 2016222 5-73					57		9,876	4.76	470						
570512 PENN WILL FAMES SUPREME.....*		2	25	1-32	27	2.3	11,432	4.57	523	12	28	+195	-.05	+4	+9
01-01-63 512974 1869055 5-73					18		10,825	4.76	515						
570523 GREAT HILLS IVANHOE.....*		1	15	1-14	15	1.9	12,992	4.61	599	13	23	+174	-.02	+6	+10
07-02-65 535970 2082916 5-73					10		12,486	4.68	584						
570528 DINSMORE NANCE JULIAN.....*		2	42	1-58	44	1.5	9,121	4.21	384	**	26	+232	-.05	+6	+12
04-10-65 533769 2196055 5-73					353		8,042	4.33	348						
570536 SANFAOAIR BONANZA OAYLO.....*		2	10	2-35,41	12	1.7	9,630	4.58	441	20	24	+47	-.01	+1	+2
04-17-65 496783 2036941 5-73					14		9,363	4.62	433						
570554 OWENS PLACE FLASHER.....*		8	2	3-31,32,	13	1.9	10,666	4.69	500	17	42	-31	-.02	-3	-3
11-23-64 475548 1971501 5-73				57	11		10,822	4.75	514						
570557 LANGMANOR BFT NORSEMAN.....*		1	13	1-35	13	1.9	9,348	4.92	460	20	23	-123	+.09	+3	-1
02-06-65 563655 2093164 5-73					17		9,874	4.53	447						
570564 ELK MEADOW WILOAS VALIANT.....*		1	13	1-35	13	1.5	10,987	4.56	494	0	22	+136	-.02	+4	+7
07-01-65 530291 1610903 5-73					35		10,392	4.59	477						
570573 BAY MEADOW OAISYS OAYLO.....*	35-75	2	21	1-93	42	1.8	12,052	4.62	557	21	40	+51	+.09	+11	+11
10-09-64 552419 1714693 5-73					27		12,134	4.43	537						
570577 GREEN GROVE SCOTTIE.....*		2	13	1-35	15	1.8	9,616	5.18	498	20	25	+57	+.09	+12	+12
01-21-65 536610 1947439 5-73					16		9,318	4.81	448						
570599 HAZY HILLS BONANZA.....*		1	14	1-33	14	1.6	9,157	4.76	436	17	22	-36	+.02	0	-1
05-30-65 496783 2016899 5-73					24		9,249	4.70	435						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS HM/DAU	REC/DAU HEROMATE	MILK	% FAT	FAT	% 1ST LACT INC	% REPT	PREDICTED DIFFERENCES MILK	% FAT	FAT $$
570644 NORWEST VALENCIANS IRA.....*		6	4	1-92	12	1.8	11,379	4.92	560	30	35	+11	+.09	+10 +9
08-07-64 536917 2152099 5-73					31		11,495	4.68	538					
570654 MIXED MAPLES SUSIE SUPER.....*		1	11	1-23	11	2.7	10,017	4.51	452	0	24	+104	-.06	-1 +2
05-23-64 522908 1648361 5-73					19		9,535	4.83	461					
570658 LAUXMONT SOLOFINGER.....*		3	7	1-23	16	1.6	8,434	4.70	396	25	34	-267	-.01	-14 -20
09-20-65 551915 1548639 5-73					23		9,195	4.77	439					
570669 DUGETH LENORES LODESTAR.....*		3	27	3-86,91,	36	1.4	9,340	4.84	452	19	29	-364	+.11	-7 -17
02-21-65 529773 1510150 5-73				93	46		10,727	4.47	480					
570676 RUTTER BROS DUCHESS ROYAL.....*		3	9	2-23,73	13	2.1	10,981	4.84	532	23	28	-16	+.02	+1 0
07-08-65 563583 1905698 5-73					32		11,157	4.79	534					
570686 CLEVERLANDS NANCES ENTERPRISE.*		2	20	1-93	22	1.6	15,446	3.90	602	10	25	+299	-.10	+3 +12
01-14-65 533769 2085377 5-73					124		14,738	4.09	603					
570706 VILLA CREST P LUCIFER.....*		1	10	1-34	10	1.5	10,106	4.95	500	25	20	+19	+.02	+3 +3
09-17-65 552773 1922882 5-73					16		10,009	4.86	486					
570714 VALLEYLAND CHIEFTAN.....*		4	8	2-35,42	19	1.5	10,798	4.89	528	28	36	+4	+.02	+2 +2
03-11-65 541009 1902340 5-73					17		10,870	4.87	529					
570716 DEWAN FARMS REGAL GUARDIAN....*		8	3	2-12,21	15	1.5	10,235	4.54	463	42	40	-1	.00	0 0
07-15-65 546618 2223266 5-73					18		10,229	4.53	463					
570717 ABBOTTSOALE KING COLE.....*		2	21	1-23	23	2.0	9,985	4.89	488	5	27	+112	+.05	+10 +12
05-19-64 550835 1401453 5-73					24		9,523	4.71	449					
570735 WELCOME FLASHS HOLLIREX.....*	21-10	72	3	10-11,12,	127	1.7	11,521	4.63	533	11	86	+854	+.02	+41 +59
02-25-65 473982 2008537 5-73				14,16,21	22		10,581	4.61	488					
570743 BRANDON NANCES ROYAL.....*		1	17	1-52	17	1.1	10,116	4.63	468	29	21	+3	+.01	+1 +1
07-26-65 533769 1914720 9-72					42		10,108	4.60	465					
570769 SIEFERTS REDITAS DISPATCH.....*		5	12	2-34,57	19	1.5	12,462	5.10	635	29	29	-46	+.13	+11 +8
03-09-65 529773 2011223 5-73					22		12,911	4.76	614					
570771 GOLDEN FAME LEADER.....*		1	21	1-42	21	1.8	7,991	5.23	418	14	25	-96	+.06	+2 -1
05-06-65 553905 2010005 5-73					8		8,230	4.91	403					
570774 GONTERMANS BUTTERFAT HERO.....*		4	7	2-48,73	12	1.4	10,948	3.98	436	17	27	+5	-.09	-9 -7
03-22-65 539419 1920872 5-73					10		11,028	4.30	474					
570795 HOMEWOOD BP STANDBEST.....*		7	7	4-23,32,	19	1.3	10,729	4.72	506	39	36	-2	+.03	+3 +2
03-11-65 524247 2190749 5-73				52,58	35		10,815	4.62	500					
570799 RAEMELTON FLASHS COMET.....*	61-02	63	3	11-31,32,	110	1.7	9,758	4.54	443	20	84	-318	-.03	-18 -24
07-11-65 475548 1858585 5-73				33,61,85	42		10,152	4.59	466					
570801 HOLLIKNOLL SELECTOR.....		1	12	1-52	12	1.0	9,499	4.50	427	**	19	-71	+.05	+2 -1
06-27-65 541672 1314090 9-72					12		9,868	4.20	414					
570812 MYERLEA GOURMET GO.....*		2	10	2-22,52	12	2.3	8,821	4.78	422	17	25	-253	.00	-12 -18
03-13-65 537301 2134515 5-73					66		9,807	4.85	476					
570817 CHEOCO A HOLLYHOCKS FLASH.....*		8	4	5-14,15,	21	1.3	10,330	4.73	487	19	44	-370	-.02	-19 -27
10-19-65 475548 1570447 5-73				16,31,57	43		11,273	4.79	540					
570820 GAYOSO VIEW FAMES JOHNNY.....*		1	10	1-65	10	1.1	7,876	4.44	350	0	18	-162	+.02	-5 -9
11-07-64 553764 1352161 9-72					22		8,635	4.33	374					
570831 TREWYNS RODNEY.....*		3	17	2-35,48	21	1.2	8,829	4.69	414	33	25	-74	-.03	-6 -7
08-01-65 555723 2236930 9-72					19		9,031	4.85	438					
570836 ROES MOR DE DUKE.....*		6	5	4-33,35,	12	2.2	9,985	4.64	463	18	34	+123	+.02	+8 +10
03-17-65 554079 2149590 5-73				41,47	25		9,580	4.56	437					
570837 BLUE BOULDER S THUNDER.....*		5	26	2-33,35	37	1.7	10,413	4.39	457	6	32	+56	-.05	-2 0
05-19-65 536610 1518541 5-73					14		10,263	4.54	466					
570842 CROASDAILE HEROS ADMIRAL.....*		1	19	1-55	19	1.4	9,564	4.84	463	0	23	-23	+.03	+2 +1
06-15-65 539419 1828085 5-73					58		9,630	4.70	453					
570855 ANSMIL O SUPREME.....*		6	7	4-31,42,	16	1.2	10,470	4.62	484	11	31	-38	+.02	0 -1
01-19-65 551885 1986936 5-73				43,58	43		10,656	4.61	491					
570879 IVAS MEADOWMARSH MASTER DON...		1	17	1-35	17	1.8	10,357	4.53	469	8	24	+57	-.02	+1 +3
01-11-64 538634 1903678 5-73					7		10,084	4.39	463					
570891 HILMAR BONANZA MIKE.....		2	6	1-93	11	1.0	10,773	4.67	503	9	24	+217	-.02	+8 +13
05-18-64 496783 1845711 1-73					10		9,858	4.79	472					
570897 COOKEBY ADVANCER.....*		5	23	1-32	34	2.0	9,321	4.71	439	22	34	-488	-.01	-23 -34
07-22-64 533769 1910905 5-73					14		10,863	4.74	515					
570903 COLDSPRINGS OEPUTYS PRINCE....*		2	9	1-23	11	2.2	11,326	4.82	545	0	25	+342	+.02	+18 +25
01-01-65 527830 1728775 5-73					9		9,936	4.78	475					
570940 GOLDEN HILLS R BEACON.....*		1	20	1-32	20	2.4	9,386	4.79	450	20	26	-197	+.02	-7 -12
12-13-64 556175 2072129 5-73					11		10,159	4.75	483					
570949 LEADERS STAR CURTIS.....*		1	13	1-23	13	1.4	12,529	4.96	622	33	21	+42	+.05	+7 +7
05-01-65 556020 1728627 5-73					25		12,583	4.79	603					
570953 RUNNYMEDE HONORIAS HONOR.....*		1	15	1-12	15	1.9	10,331	4.15	429	27	23	+144	-.07	0 +4
08-15-65 533769 1843177 5-73					10		9,677	4.42	428					
570957 SAYRE FARMS JOLLY BEAU.....*		3	21	3-21,23,	25	1.5	10,644	4.46	475	10	27	+78	-.05	-1 +2
09-13-65 530291 2006246 5-73				51	37		10,392	4.68	486					
570974 FAMES SPRINGHILL JAKE.....*		1	12	1-34	12	1.3	8,009	4.58	375	9	20	-241	+.02	-9 -15
10-19-65 512974 1583892 9-72					7		9,141	4.58	419					
570977 DORELLA PENNYS MASTER.....*		1	19	1-93	19	1.2	10,540	4.75	501	20	22	-261	+.02	-10 -16
07-15-65 557947 1344309 5-73					88		11,949	4.69	561					
570985 MCDONALD FARMS RC HANOSOME....*		3	9	1-31	13	1.4	9,933	4.56	453	8	24	-6	-.01	-1 -1
09-11-64 548194 2066689 9-72					6		9,953	4.62	460					
570996 EDISTO FARMS J COLONEL.....*		1	43	1-56	43	2.0	11,578	4.26	493	14	28	+180	-.08	0 +5
04-03-65 521086 2156828 5-73					21		11,028	4.52	498					
570997 EDISTO FARMS J ROYALMOST.....*		5	10	2-56,58	31	1.6	10,839	4.49	485	0	45	+501	-.06	+17 +29
04-12-65 521086 1277886 5-73					56		9,653	4.62	446					
570998 EDISTO FARMS J MAJOR.....*		4	5	1-56	15	1.1	10,014	4.42	443	23	33	+60	-.04	-1 +1
04-28-65 521086 1706416 1-73					59		9,809	4.58	449					
571001 OSTERLEA FARMS O OMEN.....*		1	13	1-31	13	1.8	10,616	4.48	476	18	22	+71	.00	+3 +5
05-19-65 529773 2103343 5-73					17		10,318	4.46	460					
571003 OSTERLEAS OOUBLE TRANS V FER..*		1	16	1-31	16	1.4	9,993	4.44	444	0	22	-33	+.01	-1 -2
09-12-65 554942 2209761 5-73					14		10,157	4.46	453					

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	DAUS HM/DAU	REC/DAU HERDMATE	MILK	%	FAT	%	1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
571C27 SEJDHRS GENERAL.....*		2	49	2-52,56	51	1.5	9,485	4.38	415		20	26	-316	-.01	-16	-23
C8-03-65 539742 1628537 5-73					20		10,759	4.49	483							
571C48 THREE CLIFFS HAL JUPITER.....*		2	17	2-41,46	21	1.2	8,460	4.53	383		33	25	-197	-.01	-10	-14
C7-13-65 541009 2218672 5-73					20		9,167	4.63	424							
571C58 WESTERN GLOW GAY DUKE.....*		3	11	1-91	18	1.9	12,311	4.77	587		12	31	+46	+.05	+7	+7
C8-23-65 553583 2207100 5-73					16		12,400	4.64	575							
571C66 DEERPATH KARLS KING.....*		2	8	2-52,56	10	1.1	9,119	4.69	428		**	20	-285	+.02	-11	-18
C4-14-65 534362 1687251 9-72					29		10,609	4.62	490							
571C67 JCLUDI MEMORY BONANZA.....		1	23	1-93	23	1.0	9,342	4.70	439		25	21	-295	+.03	-11	-18
C7-23-65 552942 2106256 5-73					77		10,811	4.60	497							
571C90 GUERNGOLD M LAD.....*		1	14	1-42	14	1.4	6,728	4.90	330		18	21	-256	+.06	-6	-13
C4-04-65 541140 2009416 5-73					4		7,716	4.55	351							
571C97 MCDONALD FARMS NANCE IDEAL....*		2	8	1-31	10	1.4	10,409	5.04	525		43	22	-182	+.01	-7	-11
C9-10-65 533769 2216568 1-73					21		11,398	5.04	575							
571110 HILLDALE HAL HILLTOPPER.....*		3	23	1-41	32	1.4	9,260	5.01	464		32	29	-93	+.05	+1	-2
C6-22-65 541009 1886652 5-73					7		9,529	4.82	459							
571123 WANDERING BROOK BOBBIE.....*		5	9	1-21	18	1.7	10,692	4.48	479		12	34	+90	-.04	0	+3
C4-10-65 529309 2168496 5-73					21		10,472	4.62	484							
571134 PARTRIDGE LEADING ACTOR.....*		1	10	1-16	10	1.3	10,051	4.67	469		13	19	+88	+.01	+5	+7
11-25-65 558361 1894095 5-73					75		9,540	4.61	440							
571148 LYRENE LEVITY PRINCE.....*		1	17	1-34	17	1.5	11,440	4.85	555		43	22	+100	-.01	+4	+6
C7-20-65 553667 2038007 5-73					62		11,098	4.89	543							
571153 LYRENE PRINCE DAN.....*		6	4	1-31	11	1.5	11,681	4.83	564		18	31	+353	+.03	+19	+26
11-22-65 553667 2036257 5-73					14		10,603	4.77	506							
571158 TWIN BROOK B K COMET.....*		1	10	1-23	10	1.0	7,911	4.60	354		50	18	-255	+.03	-9	-15
11-14-64 550835 2077163 1-73					10		9,285	4.50	418							
571179 DUTCH MILL HALS VAMPIRE.....*		4	4	3-35,42,	11	2.0	10,611	4.52	480		0	33	+180	-.07	+1	+6
11-30-65 541009 1850986 5-73				48	14		10,075	4.73	477							
571188 MCDONALD FARMS B INVINCIBLE...*		3	17	2-65,72	22	1.4	12,311	4.60	566		33	27	+174	-.01	+7	+11
C8-31-65 511244 1805851 5-73					88		11,847	4.63	549							
571229 CLEVERLANDS COMMANDS DOMINANT.*		2	30	1-93	32	1.5	14,525	3.97	576		9	26	+115	-.06	-1	+3
C5-20-65 549235 1288688 5-73					135		14,533	4.12	599							
571251 MULHOCAWAY BUTTERFAT SERGEANT.*		2	30	2-42,43	32	2.0	8,634	4.86	420		16	28	-68	+.03	0	-2
C3-30-65 493764 1985594 5-73					45		8,753	4.75	416							
571252 BAY MEADOW HELENAS MOSS.....		3	26	1-93	30	1.0	11,989	4.51	541		**	24	+143	.00	+7	+10
C7-12-65 546331 2086394 5-73					36		11,549	4.49	518							
571267 FAR WEST DARIMAKER.....*	91-13	36	3	10-35,41,	65	1.4	9,964	4.73	471		19	75	-316	+.04	-11	-19
C7-09-65 545331 2096681 5-73				48,91,92	21		10,428	4.70	490							
571268 FAR WEST DARI PRINCE.....*		1	10	1-91	10	1.5	11,279	4.86	548		20	20	-23	+.05	+4	+3
C7-15-65 546331 1687874 5-73					16		11,549	4.66	538							
571278 SCENICS REGAL HERO.....*		1	14	1-35	14	1.4	10,400	4.68	487		42	21	-170	+.06	-2	-7
C9-10-65 539419 2140172 5-73					13		11,344	4.47	507							
571308 GROTON HOUSE FARDUK.....*		1	12	1-14	12	1.5	11,419	4.40	503		8	21	+222	-.02	+8	+13
C3-13-65 505970 1741075 5-73					16		10,397	4.49	467							
571330 ROSEWOOD ARISTOCRAT.....*		1	18	1-33	18	1.4	9,801	4.47	438		14	22	+84	-.03	+1	+3
C6-12-65 498183 1806618 5-73					15		9,358	4.61	431							
571343 DISTINCTION KELLY.....		1	20	1-54	20	1.7	7,462	5.04	376		10	24	-299	+.05	-9	-16
C2-05-66 524656 2115557 5-73					22		8,579	4.83	414							
571350 GREEN FIELDS B SOUTHERNER.....*		5	6	4-55,56,	12	1.9	9,758	4.41	430		9	31	-29	-.02	-3	-3
C7-06-65 511244 1835446 5-73				58,72	36		9,834	4.49	442							
571351 MOONLANE DISPATCH MASTER.....*		1	10	1-35	10	1.7	10,321	4.80	495		11	20	-105	+.03	-2	-5
C8-09-65 529773 1411882 5-73					14		10,932	4.73	517							
571359 EMROY RINGMASTER.....*		1	18	1-57	18	2.3	12,022	4.63	557		6	26	+207	+.01	+11	+15
C6-18-65 552199 2140649 5-73					134		11,360	4.58	520							
571365 WELCOME WINNIES FORTUNATE.....*		7	6	3-52,55,	24	1.4	11,683	4.51	527		10	44	+663	-.04	+26	+41
C7-17-65 528754 1738828 5-73				56	54		10,181	4.60	468							
571378 ADDHR WARRIOR JANMAN.....*		2	23	2-86,93	28	1.3	11,773	4.35	512		15	27	+220	-.07	+3	+9
C7-03-65 536658 2017653 5-73					231		11,056	4.59	507							
571389 SUNNYDELL ADRIAN LURCH.....*		2	8	1-14	12	1.3	11,819	4.85	573		25	25	-58	+.06	+3	+1
10-29-65 547319 2169596 5-73					18		12,282	4.67	573							
571392 LISETER GOVERNORS COLONEL.....*		7	7	3-32,34,	19	1.5	9,632	4.85	467		17	36	-401	+.08	-11	-21
01-29-65 550793 1332986 5-73				61	18		10,815	4.67	505							
571394 LISETER BRILLIANT KING.....*		1	15	1-22	15	1.5	12,429	4.64	577		38	22	+6	+.02	+2	+2
C7-15-65 499468 1806179 5-73					15		12,663	4.58	580							
571395 DEEP LAKE FLASHS HANDSOME.....*		6	10	3-52,56,	40	1.8	10,373	4.50	467		3	51	+34	+.02	+4	+4
C5-28-65 475548 1531468 5-73				58	88		10,337	4.43	458							
571396 DEEP LAKE FLASHS SAMSON.....*		5	4	1-56	13	1.6	9,555	4.33	414		**	34	-203	.00	-9	-14
C8-01-65 475548 1798147 5-73					49		10,151	4.35	442							
571409 HARNESS FARMS Z KING.....*		2	10	1-35	12	1.4	12,316	4.64	572		8	23	+278	+.02	+15	+21
12-03-64 526870 2074429 5-73					19		11,197	4.55	510							
571413 HOOSIERLAND NICCIS L A JOE....*		2	6	1-32	11	1.4	7,281	4.45	324		0	26	-396	-.03	-21	-29
C8-11-65 556583 1975427 5-73					10		8,655	4.64	402							
571432 DULUTH F VENTURER.....*		1	22	1-35	22	1.5	10,303	4.94	509		16	24	+38	+.04	+6	+6
12-19-65 518026 1969732 5-73					16		10,154	4.80	487							
571434 CLOVERLAND FLICKERS DUKE.....*		1	11	1-72	11	1.8	10,257	4.19	430		9	22	-52	-.01	-3	-4
C8-12-65 540888 1993044 5-73					82		10,549	4.22	445							
571443 REN LO NANCES DAGGER.....*		3	10	2-23,33	21	2.1	10,178	4.67	475		14	38	+115	.00	+5	+8
C6-26-65 533769 1721445 5-73					17		9,857	4.69	462							
571460 MARDORE DESIGNER.....*		1	20	1-31	20	1.9	9,870	4.69	463		5	25	-72	+.08	+5	+2
C7-02-65 551698 2177778 5-73					15		10,175	4.33	441							
571461 LAJAMONT JEFFERSONIAN.....*		3	9	3-21,22,	12	1.0	8,794	4.86	427		45	22	-113	+.01	-4	-7
01-15-66 556781 2079400 5-73				23	72		9,228	4.84	447							
571465 BAYVILLE SPARKLER.....*		1	15	1-52	15	1.2	9,022	4.79	432		20	21	-242	+.04	-7	-13
01-02-66 535492 1527025 5-73					160		10,215	4.61	471							

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS HM/DAU	REC/DAU HERDMATE	MILK	% MILK	FAT	% FAT	1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
571472 YELLOW CREEK T WILLARD.....*		1	26	1-41	26	1.6	9,390	4.80	451		5	25	-83	+.01	-3	-5
04-06-65 531473 1920083 5-73					8		9,695	4.83	468							
571473 YELLOW CREEK T WILLIE.....*		10	2	4-31,32,	16	1.8	10,743	4.77	512		8	46	-40	-.05	-7	-7
04-06-65 531473 1920083 5-73				35,43	21		10,923	4.92	537							
571485 HOJSLEYS ROYAL MAVERICK.....*		1	13	1-63	13	1.6	9,142	4.56	417		0	22	-206	+.02	-8	-13
04-23-65 533769 2162474 5-73					73		10,090	4.53	457							
571506 HILDIEMAID FLASHS FAME B.....*	31-07	34	3	7-23,31,	70	1.2	11,114	4.57	508		23	74	+529	-.05	+19	+32
08-29-65 475548 2164636 5-73				33,61,63	14		10,443	4.64	485							
571509 BLAKEFORD LIBBYS BRILLIANT....*		31	9	14-21,23,	91	1.3	10,294	4.77	491		25	70	-363	+.12	-5	-15
02-24-65 499468 1655765 5-73				33,63,92	39		10,902	4.62	504							
571511 VAN DYKE DAISYS DANCER.....*		2	9	1-41	11	1.6	10,652	4.83	486		20	23	-36	+.04	+2	+1
09-30-64 557773 1768220 5-73					6		10,250	4.67	479							
571513 STEDE WELLS LOUS EMORY.....*		7	3	3-33,42,	17	1.4	6,660	4.97	331		15	42	-843	+.11	-29	-49
07-01-65 524393 1737568 5-73				63	15		8,541	4.64	396							
571518 WELCOME WIN FORTUNE.....*		1	10	1-21	10	1.7	13,069	5.09	665		0	21	+121	+.06	+12	+14
09-20-65 528754 2035626 5-73					28		12,760	4.87	621							
571528 HELENDALE K FRITZ.....*		6	9	1-35	17	1.2	9,833	4.53	445		11	30	+36	-.05	-3	-1
12-03-64 553283 2006852 1-73					16		9,675	4.74	459							
571536 VILLA CREST F FRONTIER.....*		2	9	1-31	11	1.8	9,832	5.00	492		18	24	-171	+.07	-1	-6
10-04-65 550029 1922878 5-73					17		10,623	4.74	504							
571548 VILLA WAY 8 SOVEREIGN.....*		2	12	1-31	14	1.0	8,191	4.75	389		31	21	-406	+.03	-16	-25
07-20-65 551540 1586275 1-73					33		10,143	4.65	472							
571553 ELSVIEW FARMS CONQUEROR.....*		6	7	1-23	29	1.3	11,171	4.62	516		21	46	+270	.00	+12	+18
08-14-65 533769 1652047 5-73					21		10,647	4.63	493							
571563 MAPLE LEAF LISAS NOBLE.....*		1	11	1-41	11	1.4	8,089	4.61	373		9	20	-260	+.02	-10	-16
08-31-65 550580 1792430 5-73					21		9,332	4.53	423							
571571 BROWNIES FARMS JROWAY.....*	91-13	16	3	7-41,47,	33	1.4	11,506	4.64	534		13	39	+36	+.01	+3	+4
08-01-65 488786 1828972 5-73				91,92,93	44		11,602	4.63	537							
571588 HO ETTES KING HAL GEORGE.....*		16	2	4-41,43,	21	1.4	9,812	4.78	469		10	52	-101	+.06	+1	-2
11-15-65 541009 1859980 5-73				45,48	16		10,005	4.68	468							
571610 EOISTO FARMS J BUTCH.....		2	15	1-56	29	2.0	10,798	4.37	472		9	39	-52	-.03	-5	-6
02-06-65 521086 1994610 5-73					24		11,034	4.45	491							
571632 MEADOW LANE VENTURE.....*		3	7	2-34,48	10	1.3	7,741	4.78	370		57	23	-221	+.05	-5	-11
03-12-65 533999 1983680 1-73					9		8,536	4.56	390							
571634 SOUTH VIEW NANCES GALAHAD.....*		2	7	1-32	13	1.7	12,174	4.92	599		8	29	+207	+.01	+11	+15
02-05-66 533769 2031690 5-73					17		11,622	4.93	573							
571643 BOEUF VALLEYS NANCE OUO.....*		2	10	1-43	12	2.0	8,250	4.80	396		8	25	-110	+.04	-1	-4
03-24-65 533769 1797024 5-73					21		8,547	4.67	399							
571679 HILLCREST ADAS ALAOIN.....*	23-09	43	3	6-21,22,	89	1.3	9,918	4.55	451		18	78	+224	-.08	+2	+8
01-15-66 511244 2187478 5-73				23,50,51	17		9,588	4.66	447							
571689 BAYVILLE BRILLIANT MAGIC.....*	23-13	73	3	18-31,51,	152	1.3	9,914	4.72	468		21	86	-580	+.09	-18	-32
09-12-65 499468 2132463 5-73				52,54,56	32		10,650	4.63	493							
571709 ROSELORNS KEYSTONE.....*		3	10	1-42	21	1.6	9,801	5.19	509		15	35	-158	+.13	+6	0
10-16-65 533769 1677074 5-73					9		10,287	4.82	496							
571712 ELMWOOD LENORAS MASTER.....*		4	5	1-42	14	1.8	10,051	4.53	455		8	35	-234	-.03	-15	-20
11-23-65 558738 1935235 5-73					12		10,868	4.65	505							
571713 ELMWOOD SUNNYS MASTER.....*		4	5	1-42	12	1.6	8,872	4.67	414		27	31	-114	+.03	-2	-5
12-17-65 558738 1687067 5-73					15		9,158	4.59	420							
571726 MCDONALD FARMS DUKES JUSTIN...*		4	25	2-86,93	34	1.1	11,989	4.51	541		18	28	+215	-.04	+6	+11
01-06-66 554182 1686010 5-73					201		11,348	4.62	524							
571728 JUELANO SJLAYAS DEFENDER.....*		1	10	1-35	10	1.1	9,856	4.94	487	**	18	-259	-.01	-13	-19	
11-16-65 496783 2203256 5-73					4		11,436	5.05	578							
571731 BLAKEFORD B STANDBEST.....*		3	7	2-55,57	13	1.4	10,931	4.29	469		31	28	+74	-.04	-1	+1
04-20-65 499468 1985005 5-73					35		10,736	4.45	478							
571743 IMIG FARMS NANCE BOULDER.....*		2	20	1-47	27	1.3	10,415	4.90	510		9	28	+210	-.02	+8	+13
09-19-65 533769 1976325 1-73					15		9,617	5.04	485							
571763 ROZELYN DARI MATE.....*		2	9	1-35	11	1.4	8,796	4.67	411		40	22	-214	-.01	-11	-16
08-08-65 546331 1783857 9-72					13		9,751	4.76	464							
571768 OSTRODKAS BONANZA PRISS.....*		6	3	3-33,43,	12	1.3	9,946	4.71	468		18	33	-108	+.05	0	-3
12-15-65 496783 1992840 5-73				73	34		10,298	4.59	473							
571778 SHAWNEE FARMS T V LUCKY.....*		5	14	1-43	21	1.4	8,915	5.00	446		19	29	-203	+.11	-1	-9
11-02-65 539742 2207242 1-73					28		9,800	4.61	452							
571795 NYALA ATHENAS FOREMOST.....*		2	8	2-16,23	10	1.1	10,287	4.47	460		13	20	+91	-.02	+2	+4
09-03-65 546331 1942703 1-73					60		9,809	4.60	451							
571802 ARNORM SAINTS HERO.....*		1	14	1-41	14	1.4	9,823	4.78	470		38	21	+46	.00	+2	+3
10-12-65 539419 2042838 5-73					8		9,557	4.79	458							
571819 WATSONS GERRY VALOR.....*		1	22	1-34	22	1.2	8,756	4.96	434		32	22	-178	+.10	+2	-4
05-24-65 539742 2015800 5-73					16		9,505	4.45	423							
571827 GRAND VIEW MISTER ZELL.....*		1	18	1-55	18	1.0	7,358	4.89	360		19	24	-117	+.01	-4	-7
04-06-66 529809 2172400 5-73					9		7,615	4.87	371							
571852 LOCKSHORE NANCE ROYAL.....*		1	25	1-34	25	1.8	10,181	4.70	478		9	25	+46	-.02	0	+1
11-04-65 533769 2029486 5-73					28		9,995	4.79	479							
571866 WANDERING BROOK N JACK.....*		4	4	1-21	11	1.1	9,693	4.67	453	**	28	+79	-.01	+3	+5	
12-23-65 533769 2190935 5-73					9		9,339	4.70	439							
571874 WASSONS CHOICE VERN.....*		1	13	1-71	13	2.0	10,590	4.02	426		11	23	+251	-.05	+6	+13
07-10-65 524993 2099352 5-73					38		9,435	4.14	391							
571880 GUERNGOLO N ROYAL.....*		4	5	1-42	17	1.8	8,859	4.71	417		29	39	-457	-.06	-27	-36
10-09-65 533769 1858443 5-73					10		10,033	4.89	491							
571884 GOLDEN ACRES ZENITH ANOY.....		1	32	1-93	32	1.7	11,939	4.82	576		17	26	+255	+.01	+13	+18
10-23-64 510014 2067729 5-73					33		11,043	4.84	534							
571890 ELSVIEW FARMS NANCES JEO.....*		2	25	1-23	33	1.5	12,901	4.30	555		21	30	+209	-.10	-1	+6
09-03-65 533769 2211185 5-73					17		12,435	4.61	573							
571894 VILLA CREST WATERLOO.....*		7	2	5-23,31,	10	1.3	9,948	4.83	480		33	32	-53	+.03	+1	-1
10-04-65 550029 2030501 5-73				32,33,34	13		10,127	4.72	478							

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS HM/DAU	REC/DAU HEROMATE	MILK	%	FAT	%	1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
571895 VILLA CREST P HIGHLANDER.....*		1	12	1-32	12	1.5	10,019	4.22	423	33	21	-59	-.05	-8	-8
09-22-65 552773 2053947 5-73					12		10,337	4.53	468						
571911 VALLEY VIEW PHAREKAS BILLY....*		1	11	1-23	11	1.4	10,352	4.95	512	27	20	-204	+.04	-5	-10
10-15-65 525970 1751199 5-73					26		11,530	4.79	552						
571932 PRINCE ALBERT OF FORTUNE.....*		8	2	3-14,15,	15	1.7	10,576	4.67	494	27	44	+182	+.02	+10	+14
09-07-65 528754 1850448 5-73				21	29		10,176	4.63	471						
571966 WESTLYNN LAWLESS CHAMP.....*		3	12	2-82,91	19	1.7	10,017	4.50	451	0	30	-99	+.01	-4	-6
09-04-65 562387 2122389 5-73					18		10,385	4.52	469						
571967 SHAMROCK A P ACTOR.....*		1	24	1-86	24	1.7	10,544	4.86	512	18	25	-301	+.14	0	-9
10-10-65 557609 2008334 5-73					57		11,971	4.37	523						
571977 SILOONS ROYAL ROCK A BILLY....*		1	13	1-93	13	1.9	11,524	4.56	525	**	23	+17	-.02	-1	0
09-03-65 533769 2004560 5-73					47		11,607	4.66	541						
572035 YELLOW CREEK MR SPOT.....*		8	26	3-32,33,	39	1.5	8,843	5.36	474	25	32	-346	+.11	-5	-15
07-16-65 550067 1869C59 5-73				34	23		9,914	5.00	496						
572050 LYRENE PRINCE STEADFAST.....*		4	4	1-34	13	1.6	11,930	4.74	566	58	34	-166	+.03	-5	-9
11-16-65 553667 1753006 5-73					44		12,687	4.71	597						
572073 PINE VISTA FLINT.....*		4	6	3-14,16,	16	1.6	12,096	4.42	535	8	36	+546	-.07	+18	+31
09-30-65 537680 2099769 1-73				21	21		10,617	4.60	488						
572086 HAZEL FARM BUNS.....*		4	6	2-35,42	13	1.6	9,552	4.51	431	20	31	+87	-.04	0	+3
03-12-65 557676 1832724 5-73					17		9,190	4.64	426						
572094 MAXVALES D M DARIMAN.....*		2	11	1-91	14	1.0	10,935	5.12	560	0	23	+118	+.05	+11	+13
09-04-65 546331 2260417 5-73					13		10,458	4.95	518						
572109 DAROENELLAS NANCE FRANK.....*		1	17	1-56	17	1.4	13,332	4.50	599	19	22	+62	.00	+3	+4
09-18-65 533759 2074152 5-73					25		13,354	4.49	600						
572111 BAY MEADOW JOLLY DERBY.....*		4	14	2-86,93	19	1.5	12,230	4.18	511	21	28	+18	-.03	-2	-1
02-02-66 530291 1714693 5-73					61		12,404	4.27	530						
572113 BAY MEADOW SUNNYS DARIMOST....*	35-75	2	44	2-86,93	48	1.1	13,313	4.67	622	15	25	+302	+.03	+17	+23
08-27-65 546331 2058886 5-73					34		12,347	4.58	565						
572114 BAY MEADOW CEDARS OFFICER.....*		2	31	2-52,63	33	1.7	9,935	4.75	472	12	27	-112	+.03	-2	-5
08-27-65 554966 2202633 5-73					152		10,390	4.66	484						
572135 SHAMROCK PRISCILLAS DARIMOST..*	72-01	56	4	11-31,51,	115	1.3	9,696	4.60	446	10	81	-273	+.04	-9	-16
10-21-65 546331 1619287 5-73				56,71,72	39		10,034	4.56	458						
572151 GREEN NEEDLES H PARTHENON.....*		2	14	1-41	20	1.7	11,756	4.58	539	10	30	+221	-.01	+9	+14
10-17-65 541029 2023865 5-73					16		11,121	4.63	515						
572152 WOODRUFF FARM C RANO.....*		7	3	2-42,47	17	1.6	8,956	4.68	419	14	43	-309	+.03	-11	-18
08-04-65 553819 1867480 5-73					17		9,630	4.62	445						
572153 VILLA CREST P LEADER.....*	35-75	1	18	1-32	18	1.4	14,154	4.77	676	0	22	+830	+.05	+44	+61
08-23-65 552773 1952969 5-73					15		10,509	4.57	480						
572154 VILLA CREST L VICTOR.....*		2	16	1-32	18	1.1	10,952	4.53	496	6	22	+106	.00	+5	+7
01-10-65 550029 2053952 1-73					20		10,524	4.51	475						
572155 GAYDSO VIEW FAMES FLASH.....	72-01	2	80	1-85	86	1.5	11,260	4.46	502	19	28	+15	+.02	+3	+3
09-15-65 512974 1572496 5-73					662		11,340	4.37	495						
572168 HERDS SAINT BUTTERBOY.....*		2	13	2-35,41	15	1.4	11,007	4.50	495	15	23	-11	-.01	-2	-2
11-26-65 539419 1975344 5-73					17		11,172	4.60	514						
572173 ELMWOOD CARLISSS MASTER.....*		2	13	1-35	18	1.5	9,044	4.90	443	35	27	-453	+.03	-18	-28
04-09-66 558738 1919656 5-73					11		10,304	4.82	521						
572176 GAYDSO VIEW F BEST FLASHER....*		1	10	1-63	10	1.0	10,724	4.69	503	10	18	+144	+.03	+10	+13
09-26-65 553764 1522505 5-73					38		9,897	4.48	443						
572181 SCHWINGHAMER FARM OLE.....*		1	12	1-41	12	1.5	12,058	4.14	500	0	21	+324	-.02	+13	+20
01-29-65 533769 1826688 5-73					23		10,583	4.11	435						
572192 ELM MOOR GONDOLIERS BARON.....*		4	41	2-48,73	49	1.8	10,105	5.02	507	6	30	+151	+.08	+15	+17
07-23-64 547765 1801356 5-73					11		9,558	4.77	456						
572193 ELM MOOR GONDOLIER PRINCE.....*		3	12	1-48	16	1.6	10,634	4.83	514	13	26	-14	+.01	0	0
01-16-65 547765 1911577 5-73					14		10,766	4.81	518						
572272 PARKERS VALIANT GOMER.....*		1	13	1-31	13	2.2	9,870	5.22	515	8	24	-308	+.03	-11	-18
02-12-65 554083 2168483 5-73					19		11,295	5.12	578						
572282 WOODACRES BABETTS CHIEF.....*		3	22	1-57	26	1.4	10,675	4.77	509	17	26	-88	+.04	0	-3
05-26-65 425345 2006325 1-73					137		11,125	4.63	515						
572283 WOODACRES JOLLY BONO.....*		2	17	2-21,22	22	1.3	9,128	4.77	435	35	27	-66	-.01	-4	-5
07-19-65 524993 1847652 5-73					72		9,310	4.89	455						
572296 ROSEWOOD V GEM.....*		1	20	1-33	20	1.2	9,178	4.51	414	16	22	-34	.00	-2	-3
11-25-65 547878 2005011 1-73					6		9,259	4.59	425						
572312 FOUR J DISPATCH OUKE.....*		1	10	1-33	10	1.9	12,236	4.32	528	10	22	+460	-.07	+14	+25
10-23-65 529773 2222017 5-73					17		10,117	4.60	465						
572325 NANCES REBEL OF LAY LAINE.....*		1	29	1-58	29	1.1	11,043	4.09	452	7	23	-127	-.02	-8	-10
05-05-65 533769 1991035 5-73					83		11,787	4.22	497						
572343 FOR LOU FARMS P BART.....*		2	12	1-61	14	1.2	9,003	4.32	389	9	22	-123	+.01	-5	-8
12-03-65 559629 2056421 9-72					11		9,511	4.33	412						
572355 HOLLIKNOLL BILLYS BONO.....*		1	17	1-52	17	1.7	12,202	4.30	525	12	24	+46	-.02	0	+1
07-15-65 511244 1859135 5-73					18		12,224	4.40	538						
572363 BENEDICTINE JOLLY VERN.....*		4	7	1-64	16	2.2	10,972	4.73	519	14	35	+54	+.04	+7	+7
12-27-64 524993 2023968 5-73					10		10,905	4.61	503						
572399 GAYLORD VALS CAVALIER.....*		3	18	2-73,85	22	1.5	11,921	4.38	522	9	26	+149	.00	+7	+10
07-09-65 530291 1750727 5-73					679		11,504	4.35	500						
572441 MAGGIE N JOE ST NICK.....*		1	11	1-31	11	1.4	12,762	4.29	548	11	20	+285	-.04	+9	+16
12-25-65 554791 2121588 5-73					14		11,456	4.40	504						
572442 ADDHR PRINCE ROSEDALE.....*	93-02	4	8	3-86,92,	22	1.0	10,623	4.84	514	17	35	-63	+.06	+3	+1
11-13-65 491754 1516370 5-73				93	169		10,894	4.69	511						
572450 RIVER OALE MAYS SUPREME.....*		6	10	3-32,34,	20	2.0	9,918	4.83	479	27	35	-91	+.02	-2	-4
09-23-62 475595 1904985 5-73				57	14		10,200	4.82	492						
572474 PINE RIDGE KINGS TIM.....		1	12	1-35	12	1.8	11,339	4.50	510	17	22	+42	-.04	-2	0
04-16-65 557093 2254601 5-73					19		11,275	4.70	530						
572475 LENULL FARMS WATERLOO BOY.....*		1	11	1-46	11	1.0	8,977	4.63	416	10	18	-77	+.04	0	-2
10-06-65 553326 1916603 5-73					19		9,339	4.43	414						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HO	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS HM/DAU	REC/DAU HEROMATE	MILK	%	FAT	% INC FAT	%	1ST REPT MILK	%	PREDICTED DIFFERENCES FAT	$$
572476 NEW HAVEN OARI MAGIC.....*		2	8	1-91	10	1.3	11,481	4.47	513	43	21	+181	-.03	+5	+10
07-09-65 546331 2214088 5-73					10		10,675	4.63	494						
572484 WINN SCOTSMAN SAM8D.....*		2	8	1-48	14	1.0	10,156	4.33	440	38	26	+43	-.01	+1	+2
11-18-64 536610 1978178 5-73					10		9,987	4.35	434						
572488 CAR OALES VALOR ACE.....*	35-21	2	15	1-34	17	1.5	11,841	4.97	588	8	24	+189	+.05	+14	+17
09-15-65 539742 2143965 5-73					16		11,177	4.80	537						
572518 ELOERWOOO N HAROLO.....*		1	13	1-35	13	1.7	9,172	4.58	420	8	22	-166	+.01	-7	-11
C7-28-65 533769 2203257 5-73					8		9,919	4.60	456						
572521 SCHWINGHAMER FARM NANCE.....*		1	26	1-48	26	1.4	8,990	5.05	454	0	24	+152	+.02	+9	+12
12-12-65 533769 2108171 5-73					27		8,161	5.06	413						
572542 MARFREO LJCYS STAR.....*		1	12	1-56	12	1.8	10,364	4.61	478	18	22	-37	+.05	+3	+1
01-27-66 556020 1944265 5-73					30		10,590	4.39	465						
572555 MAGNOLIA WYALA MERCURY.....*		4	11	2-58,65	24	1.5	11,169	4.72	527	15	37	-117	+.10	+5	+1
01-14-66 496783 1763881 5-73					37		11,654	4.45	519						
572561 8RJWNIES FARMS BARRY.....		1	12	1-92	12	1.4	10,556	4.34	458	17	21	-8	-.06	-6	-5
01-02-66 536182 1726595 5-73					26		10,661	4.65	496						
572566 LYRENE MIMIS PRINCE.....*		2	27	2-52,63	29	1.7	9,671	4.82	466	14	27	-155	+.05	-2	-6
10-20-65 553667 2036256 5-73					141		10,286	4.65	478						
572567 LYRENE PRINCE PAT.....*		1	19	1-35	19	1.3	10,652	5.17	551	11	22	-2	+.06	+6	+5
10-11-65 553667 2004063 5-73					17		10,735	4.93	529						
572583 LAKE REGIJNS N SAM SCRATCH....*		2	9	1-41	11	1.1	9,605	4.82	463	17	21	-19	+.01	0	-1
C7-28-65 533769 1943297 5-73					19		9,667	4.79	463						
572586 LEAFY LANE VICTORY.....*		1	17	1-32	17	1.4	11,285	4.53	511	20	22	+56	-.02	+1	+3
11-09-65 554726 2230268 5-73					16		11,140	4.61	513						
572593 MULHOCAWAY 8UTTERFAT ANOREW...*	33-03	93	3	22-14,23,	168	1.2	10,258	4.71	483	19	88	-39	+.09	+7	+5
03-30-66 529773 1671517 5-73				35,41,48	20		10,334	4.61	476						
572597 ONAHILL ROYAL COLONEL.....*		1	13	1-22	13	1.3	10,792	4.66	503	69	21	-211	-.02	-12	-16
12-01-65 533769 1984040 5-73					27		12,027	4.80	577						
572599 LYRENE PRINCES OENNIS.....*		2	14	1-34	16	1.1	11,030	4.65	513	19	22	-36	-.03	-5	-5
C2-03-66 553667 2211155 5-73					15		11,331	4.85	550						
572606 PENN OEL 3RILLIANT BOY.....*		1	21	1-23	21	1.2	11,682	4.71	550	38	22	-19	-.02	-3	-3
03-09-66 557123 1739324 5-73					24		11,965	4.83	578						
572617 OEERSHORN K GENERAL.....*		1	21	1-16	21	1.4	9,783	4.65	455	33	23	-13	+.05	+4	+3
03-29-65 515261 1810701 5-73					41		9,825	4.45	437						
572619 MULHOCAWAY 80N JUPITER.....*	31-02	18	2	9-23,31,	27	1.3	11,234	4.46	501	24	56	+64	-.08	-5	-2
12-29-65 550835 1910441 5-73				32,51,58	44		11,240	4.61	518						
572627 E8ER LEA FARMS DANOY.....*		10	2	5-23,31,	12	1.2	11,755	4.87	572	33	37	+136	+.03	+9	+12
01-31-66 562683 2148754 5-73				34,42,61	22		11,538	4.84	558						
572629 LISETER BRILLIANT COMMANDER...*		1	24	1-31	24	1.3	11,745	4.94	580	5	23	+277	+.03	+16	+22
01-26-66 499468 2060247 5-73					86		10,615	4.85	515						
572639 OLYMPIC VIEW A 8ANNER.....*	91-13	4	19	1-91	43	1.4	13,270	4.82	639	7	40	+499	+.04	+27	+37
11-29-65 547319 1949730 5-73					19		12,244	4.77	584						
572667 GRAIN MEADOW A HORNET.....*		1	13	1-32	13	1.2	10,861	4.27	464	0	20	+306	-.08	+6	+14
02-25-66 556765 1908462 1-73					16		9,270	4.63	429						
572675 SPRING FLD OISPATCH KING.....*		3	11	1-35	15	1.3	12,399	4.69	581	11	24	+254	+.03	+15	+20
12-06-65 529773 1803913 5-73					21		11,502	4.58	527						
572684 LEAFY LANE FLASH SELECT.....*		1	13	1-31	13	1.2	7,873	5.09	401	23	20	-200	+.06	-3	-9
02-21-66 554726 1756258 5-73					17		8,737	4.75	415						
572685 SARIVAL OARK CHARGER.....*		3	9	2-86,93	12	1.2	11,001	4.87	536	17	23	-155	+.07	0	-5
05-30-66 552687 1877437 5-73					52		11,858	4.64	550						
572711 PATS ROYAL ROBERT.....*		1	12	1-34	12	1.3	7,609	5.14	391	0	20	-241	+.04	-7	-13
03-02-66 533769 2102737 5-73					13		8,696	4.91	427						
572712 SMITHFIELO KING OF HEARTS.....*		1	11	1-21	11	1.0	10,302	4.87	502	14	18	+10	+.02	+2	+2
07-01-66 554749 2206344 5-73					80		10,271	4.81	494						
572717 CLEAR8RANCH NANCE SULTAN.....*		2	19	2-32,57	21	1.3	10,452	4.44	464	27	24	-134	-.04	-10	-12
12-27-65 533769 2133459 5-73					146		11,124	4.61	513						
572748 HAM FARM S PEACHS TOM.....*		1	12	1-52	12	1.4	9,392	4.67	439	0	21	-113	-.01	-6	-8
09-08-65 564947 2260328 1-73					64		9,935	4.77	474						
572757 8ROOKBERRY ROYAL.....*		3	23	1-57	32	1.2	10,894	4.58	499	22	28	-25	-.01	-2	-2
12-07-65 536269 2110285 5-73					130		11,092	4.62	513						
572764 GUERNSEY GROVE LAOYS LEAOER...*		1	11	1-35	11	1.1	9,564	4.57	437	45	19	-161	.00	-7	-11
05-19-66 541009 1687100 5-73					20		10,479	4.58	480						
572777 MAPLE KNOLL ZOES PHAREKA.....*		1	12	1-23	12	1.1	11,786	4.15	489	25	19	+136	-.07	-1	+3
01-14-66 535970 2130883 1-73					24		11,189	4.50	503						
572791 MERRI OALES SPARTIN.....*		7	2	2-35,65	12	1.3	10,748	4.87	523	30	36	-147	+.10	+3	-2
01-25-66 550248 1999679 5-73					15		11,288	4.62	522						
572797 HILOIEMAIO FLASHS CHARMER 8...*		1	22	1-31	22	1.2	9,002	4.70	423	9	22	+80	.00	+4	+6
12-27-65 475548 1624187 1-73					14		8,493	4.69	398						
572838 SUNESLOPE HAL OOC.....*		5	11	2-42,47	24	1.5	11,575	4.87	564	8	36	+93	+.04	+8	+9
03-11-66 541009 2066960 5-73					20		11,464	4.82	552						
572858 CLEVERLANOS V FAME OPTIMIST...*		1	13	1-93	13	1.4	16,390	4.04	662	0	21	+365	-.03	+14	+23
01-12-66 512974 2084803 5-73					126		15,157	4.02	610						
572885 CHEOCO SARAHS FLASH.....*		2	17	1-21	19	1.1	10,965	4.82	528	28	23	+93	-.01	+3	+5
08-25-66 475548 2267810 1-73					27		10,609	4.89	519						
572886 CHEOCO HOLLYHOCKS AM8LER.....*	91-13	40	4	7-31,82,	91	1.2	10,886	4.73	515	21	78	-201	+.09	0	-6
C5-30-66 523823 1883849 5-73				91,92,93	34		11,269	4.62	521						
572893 PLACIO HILL MARYS MONTE.....*		1	10	1-31	10	1.0	9,513	4.51	429	50	18	-418	+.05	-14	-24
02-24-66 552021 2103454 5-73					15		12,085	4.30	520						
572894 8REEZE HILL HIGH AND MIGHTY...*		1	10	1-35	10	1.2	12,731	4.63	590	20	19	+102	.00	+5	+7
01-31-66 523029 2134814 1-73					15		12,424	4.64	576						
572897 NANCE OEACONS REBEL.....*		3	9	2-56,61	12	1.3	10,523	4.66	490	25	24	-159	+.01	-6	-10
09-27-65 563116 1803387 5-73					24		11,336	4.63	525						
572908 NANUM VUE ASTRO.....		1	16	1-91	16	1.4	9,801	4.97	487	7	22	-13	+.03	+2	+1
C6-22-65 550470 2124141 5-73					26		9,845	4.88	480						

REGISTRATION NUMBER / NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HO	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS HM/DAU	REC/DAU HEROMATE	MILK	%	FAT	1ST LACT INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
572916 GOIN FARMS BONANZA SECRET.....*		4	22	2-47,48	28	1.4	12,316	4.56	561	32	28	+315	-.02	+12	+19
C1-20-66 496783 2203751 5-73					13		11,303	4.64	524						
572924 OWENS PLACE BFT MASTER.....*		1	38	1-32	38	1.4	10,510	4.75	499	17	25	+278	-.02	+11	+17
C1-13-66 5500b7 1969115 5-73					21		9,317	4.89	456						
572961 SKYLINE NANCE LEADER.....		1	14	1-47	14	1.1	9,576	4.65	445	0	20	+90	-.03	+1	+4
12-01-65 533769 1728548 1-73					6		9,016	4.84	436						
572996 FEJRA FOR SUPREME.....*		1	21	1-32	21	1.5	11,947	4.81	575	15	23	-23	+.01	0	-1
12-24-65 528754 2042742 1-73					19		12,272	4.82	591						
573002 NORGERTS BEA QUEBECA.....*		1	12	1-33	12	1.2	9,927	4.45	442	45	19	-87	-.05	-9	-10
04-25-66 498183 2030685 5-73					12		10,420	4.76	496						
573012 EDISTO FARMS BAN SANDMAN.....*		1	11	1-55	11	1.1	10,849	4.76	516	0	19	+269	+.05	+15	+19
10-17-65 564173 2189708 9-72					44		9,691	4.45	431						
573027 ROSEWOOD VALORS GALAHAD.....*		3	8	1-33	11	1.0	9,211	4.33	399	38	22	-164	-.01	-9	-12
C4-26-66 547878 1744283 5-73					16		9,958	4.43	441						
573028 GOLDEN HARVEST DILL LYNOSEY...*		2	10	2-16,31	12	1.3	10,298	4.48	461	64	22	-77	-.02	-6	-7
C5-15-66 565965 1154026 5-73					42		10,726	4.61	495						
573037 POTTER CREEK M PHARDAH.....*		1	17	1-23	17	1.1	12,164	4.52	550	0	21	+354	-.02	+14	+22
C1-11-66 535970 1973972 1-73					27		10,481	4.62	484						
573056 SCHWINGHAMER FARM OLAF.....*		1	17	1-46	17	1.4	11,473	4.73	543	0	22	+183	+.06	+15	+18
C3-22-66 539325 2123392 5-73					6		10,722	4.43	475						
573064 OENOELS ORCHARDS V PRINCE.....*		6	2	1-34	11	1.3	12,094	4.66	564	27	34	+564	-.03	+23	+36
C8-03-65 539742 2181029 5-73					23		10,465	4.77	499						
573071 ROSEWOOD CHARLEY MY BOY.....*		1	15	1-31	15	1.0	12,167	4.91	598	0	20	+302	+.03	+17	+23
C5-25-65 547878 2245929 5-73					99		10,702	4.86	520						
573074 SHAMROCK W BEACON.....*		3	9	1-86	26	1.0	11,690	4.59	537	9	37	-113	+.15	+10	+5
03-29-66 550462 2160229 5-73					70		12,214	4.22	515						
573075 HONEYCREST B K CONTENDER.....*		2	6	1-23	10	1.2	8,894	4.72	420	20	24	-288	+.04	-9	-16
C4-21-66 560835 2035746 1-73					26		10,117	4.57	462						
573078 GERAR FLASH.....*		3	21	3-23,50,	28	1.6	8,940	4.78	427	31	30	-213	+.04	-6	-11
C3-25-65 475548 2100085 5-73				64	31		9,623	4.67	449						
573080 GUERNSEY ACRES NANCE.....*		1	11	1-15	11	1.2	9,307	4.42	411	0	19	+158	-.02	+5	+9
C9-09-66 533769 2222941 1-73					16		8,291	4.55	377						
573088 PRESTDALE N TETJN.....*		3	4	2-82,92	12	1.1	9,845	4.37	430	25	30	+55	-.04	-2	0
C4-06-66 533769 2108089 1-73					26		9,619	4.56	439						
573105 NORMANDY PEER VALIANT.....*		1	14	1-32	14	1.6	11,391	5.04	574	36	22	-294	+.10	-4	-12
C9-06-64 530291 1793316 5-73					41		13,037	4.69	611						
573125 SPRINGDALE BRETTAS ROYAL.....*		2	11	2-34,43	13	1.2	14,379	4.18	601	9	22	+344	-.14	+1	+11
C3-11-66 533769 2127684 5-73					21		13,117	4.67	612						
573131 KINGENDALE B VALOR.....*		1	12	1-32	12	1.4	11,052	4.96	548	8	21	+256	+.06	+18	+23
C6-01-66 567099 2218175 5-73					10		9,786	4.72	462						
573134 HO ETTES KING HAL BERNHART.....*		2	9	1-48	11	1.3	9,265	4.68	434	10	21	-169	-.01	-9	-13
C4-29-66 541009 2143602 5-73					22		10,063	4.81	484						
573181 OENNY OALE BEAUTIFUL OARIBOY..*	91-13	27	3	7-41,82,	50	1.3	11,831	4.61	546	11	67	+227	+.04	+15	+19
C4-19-66 546331 1652239 5-73				91,92,93	44		11,655	4.56	531						
573187 SUNESLOPE NANCE ELMAN.....*		2	6	1-42	11	2.2	9,246	5.07	469	0	31	-299	+.06	-8	-16
03-28-65 533769 1926410 5-73					19		10,252	4.92	504						
573192 WILEVA BILLYS ZORRO.....*		1	14	1-84	14	1.6	9,557	4.50	430	21	23	+88	-.07	-3	0
02-27-66 511244 2057241 5-73					14		9,070	4.94	448						
573197 NORMANDY VALIO.....*		2	13	1-32	19	1.6	10,161	4.65	472	47	29	-186	-.01	-10	-14
11-01-64 559695 2047347 5-73					29		10,899	4.73	516						
573212 BAY MEADOW BILLYS HIS HONOR...*		2	10	1-93	17	1.1	11,379	4.45	506	6	27	+71	+.02	+5	+6
05-23-66 511244 1927827 5-73					22		11,241	4.35	489						
573215 LOCKSHORE TANICAS MASTER.....*	23-13	42	2	9-14,16,	68	1.4	10,468	4.40	461	14	76	+39	-.15	-13	-9
03-03-56 549235 2195683 5-73				21,22,23	25		10,460	4.61	482						
573225 ANSMIL D QUANTITYS PEERLESS...*		1	19	1-56	19	1.5	10,153	4.07	413	16	23	-61	-.02	-5	-6
02-10-66 551885 1986936 5-73					42		10,466	4.18	438						
573228 LOCKSHORE LANCES CHIEF.....*		3	7	1-34	10	1.5	10,891	4.20	457	11	24	-210	-.11	-20	-23
10-25-66 559828 2307571 5-73					56		11,958	4.64	555						
573249 MAPLE LEAF GENES NOBLE.....*		1	17	1-45	17	1.5	13,822	4.85	671	0	23	+332	+.02	+17	+24
C7-25-66 550580 2126251 1-73					10		12,609	4.86	613						
573253 EDISTO FARMS NANCE LUKE.....*		2	12	1-56	14	1.4	11,053	4.78	528	14	23	-78	+.03	-1	-3
C4-01-66 533769 1717925 1-73					61		11,545	4.73	546						
573285 LAKE LOUISE JEWELS JERICHO....*		2	8	2-21,23	11	1.5	10,116	4.64	469	36	24	-13	+.02	+1	0
C4-26-66 565C42 2137439 1-73					49		10,189	4.57	466						
573291 VALLEYLAND MASTER HAL.....*		3	7	1-42	10	1.0	8,702	4.65	405	60	22	-337	.00	-16	-23
04-08-66 522682 2123377 5-73					15		10,303	4.74	488						
573308 HOMEWOOD PROUD BILLY.....*		11	2	6-16,23,	18	1.4	11,946	4.72	564	12	47	+509	+.05	+29	+39
C1-03-66 511244 2181399 5-73				32,52,58	16		10,947	4.63	507						
573310 ADDAR LAFAYETTE GLEAMBOY.....*		3	16	2-86,93	20	1.1	11,340	4.48	508	25	24	+41	-.02	0	+1
C5-12-66 557896 1855340 5-73					199		11,295	4.60	520						
573318 PRIDE BLACK KUBILEES MAESTRO..*	35-75	35	127	21-16,23,	220	1.2	11,925	4.57	545	11	37	+288	+.05	+18	+23
C7-07-66 533769 2033620 1-73				32,52,85	494		11,279	4.44	501						
573323 IDEALS ANDREW.....*		3	14	2-22,23	18	1.2	9,872	4.91	485	0	24	+24	.00	+1	+2
C1-02-66 493917 2094444 5-73					32		9,743	4.97	484						
573342 J N H OARIMOST NOBLE.....*	21-10	77	4	9-11,13,	173	1.2	10,594	4.63	490	21	87	+8	+.06	+6	+5
C8-20-66 546331 2157903 5-73				14,16,21	18		10,647	4.56	485						
573343 MONARCHS SALS HAL.....*		1	18	1-35	18	1.5	9,347	5.22	488	22	23	-188	+.07	-2	-7
C4-24-66 541009 1832017 5-73					31		10,185	4.98	507						
573349 HORNBACK FARM N GAYLORD.....*	31-07	13	3	6-31,32,	21	1.1	11,002	4.28	471	5	46	+404	-.15	+3	+15
C4-24-66 533769 2253871 5-73				33,35,61	16		10,135	4.59	465						
573380 MEADS NANCE JUPITER.....*		4	6	2-33,43	14	1.6	8,907	4.67	416	8	33	-235	+.01	-10	-15
C3-10-66 533769 2061082 5-73					17		9,584	4.67	448						
573383 SPRING RIDGE GERALD.....*		1	10	1-35	10	1.2	10,671	4.92	525	22	19	-146	+.05	-2	-6
11-15-66 558133 2089124 5-73					13		11,621	4.74	551						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS HM/DAU	REC/DAU HEROMATE	MILK	%	FAT	% INC	1ST	REPT	PREDICTED DIFFERENCES MILK	%	FAT	$$
573390 RD88LAND FARMS SAMMY.....*		2	6	1-32	10	1.4	7,792	4.97	387	0	25		-197	+.09	0	-6
07-24-66 549235 2051015 5-73					10		8,429	4.57	385							
573403 ATTEBROC NANCES TEO.....*	93-02	3	6	2-21,93	11	1.2	10,350	4.64	490	18	25		-68	.00	-3	-5
C7-22-66 533769 2203996 5-73					176		10,918	4.70	513							
573415 CRJASDALE NANCES DUKE.....*		1	12	1-55	12	1.0	9,399	4.42	415	25	19		-107	-.02	-7	-9
05-17-66 533769 1958274 5-73					64		9,976	4.60	459							
573421 MATDAKA NANCE.....*		1	35	1-58	35	1.2	12,077	4.12	498	**	24		+207	-.04	+5	+10
C9-19-65 533769 1565073 5-73					66		11,327	4.23	479							
573427 DEEP LAKE BILLYS CHARMER.....*	23-13	38	3	7-34,51,	72	1.3	9,528	4.72	450	25	7o		-474	+.01	-21	-32
C5-23-66 511244 2006480 5-73				52,54,72	34		10,172	4.73	481							
573435 SPRING MT BILLYS JACK.....		1	12	1-93	12	1.4	11,736	4.71	553	8	21		-22	+.01	0	-1
C4-22-66 511244 2036990 5-73					11		12,050	4.73	570							
573436 ATTEBROC DARI DANDY.....*		10	1	5-23,33,	12	1.2	11,451	4.43	507	11	38		+36	-.07	-5	-3
C9-05-66 546331 1657027 5-73				52,56,57	48		11,504	4.61	530							
573441 MARDOORE NANCES COMMANDER.....*		1	10	1-31	10	1.0	10,111	4.08	413	30	18		-87	-.07	-11	-12
10-23-66 533769 2220993 5-73					17		10,674	4.54	485							
573463 MESABA K L CAPTAN.....*		2	14	1-41	16	1.7	9,937	4.17	414	13	25		-191	.00	-9	-13
10-10-65 554273 1862192 5-73					22		10,777	4.20	453							
573469 PARADISE KING DAVID.....*		5	4	2-82,86	12	1.4	8,725	4.30	375	0	32		-310	-.01	-15	-22
02-21-65 530291 1687341 9-72					39		9,657	4.37	422							
573476 NEPTUNES JEWEL OF OOLLY RUN...*		2	6	1-23	11	1.6	10,798	4.57	493	27	27		-80	+.03	-1	-3
05-26-66 536589 1755091 1-73					18		11,212	4.50	505							
573486 BELMONT VIEW NANCE LEE.....*		4	9	2-56,57	20	1.8	11,428	4.24	484	11	37		+128	-.06	0	+4
C1-21-66 533769 1967387 5-73					92		11,196	4.33	485							
573492 SHADY BROOKS HONOR.....*		1	17	1-61	17	1.2	11,106	4.34	482	18	21		+44	-.04	-2	0
C2-19-66 558583 2185206 1-73					13		10,995	4.54	499							
573498 MAPLE DAWN DAGON SHOWMAN.....*		1	10	1-34	10	1.4	12,276	4.96	609	10	20		+107	-.01	+4	+7
08-14-66 543558 2207021 5-73					17		11,920	5.04	601							
573519 LISETER BRILLIANT SAMPSON.....*	31-02	10	2	3-31,34,	13	1.3	10,609	4.78	507	20	40		+11	+.04	+5	+4
11-06-66 499468 1722330 5-73				54	21		10,644	4.69	499							
573521 LISETER SOVERIGNS KNIGHT.....*		8	2	3-22,23,	13	1.4	9,996	4.66	466	27	39		-68	+.03	0	-2
08-03-65 558496 1657449 5-73				58	26		10,190	4.58	467							
573537 EDANOALES DESIRABLE LAD.....		1	18	1-42	18	1.1	10,517	4.79	504	6	21		+97	+.02	+6	+8
11-10-66 548128 2113236 9-72					6		10,058	4.74	477							
573552 PINE VISTA DOUBLE EMORY.....*		3	8	2-14,16	11	1.4	12,927	4.65	601	10	24		+200	.00	+9	+13
12-08-66 553667 1910972 1-73					16		12,319	4.67	575							
573574 WALKER FARMS GRAND DUKE.....*	35-75	97	5	31-23,32,	201	1.2	10,459	4.67	488	24	87		-251	+.08	-4	-11
08-17-66 546331 1920224 5-73				35,55,65	89		10,829	4.59	497							
573587 OLYMPIC VIEW A SUPERIOR.....*		4	3	3-23,91,	10	1.1	12,378	4.59	568	10	28		+125	-.03	+3	+6
C7-01-66 547319 1751553 5-73				92	16		12,136	4.68	568							
573602 OAK CREST TAMMIES COLONEL.....		1	10	1-41	10	1.1	10,551	4.81	508	13	18		+12	.00	+1	+1
09-18-66 511244 2077567 5-73					38		10,536	4.82	508							
573607 MELLODRO STAR MONITOR.....*		1	11	1-56	11	1.0	9,606	4.35	418	45	18		-189	-.01	-10	-14
05-18-66 556020 2095160 5-73					24		10,717	4.50	482							
573616 YELLOW CREEK BUTTERFAT COUNT..*		2	10	2-34,43	12	1.0	10,116	4.56	461	50	20		-395	-.04	-22	-30
10-30-66 547583 2275621 5-73					14		12,282	4.75	584							
573630 MENDALE PERFECT BELVIDERE.....*		2	17	1-31	19	1.4	11,300	5.19	587	13	24		+25	+.03	+4	+4
09-26-65 555992 2051585 5-73					18		11,328	5.16	584							
573649 VILLA CREST DESIGNER.....*		3	4	1-31	11	1.2	11,148	4.70	524	20	29		+25	-.02	-1	0
09-25-66 551698 2030501 5-73					16		11,178	4.83	540							
573658 WOODACRES SULTAN.....*		8	3	7-13,22,	12	1.0	11,553	4.21	486	18	33		+348	-.08	+8	+17
03-04-66 549588 2085916 5-73				23,51,92	22		10,536	4.39	463							
573659 WOODACRES EMPERORS NOBLE.....*		2	12	2-82,91	14	1.6	10,245	4.80	492	0	24		-9	+.02	+2	+1
07-03-66 549588 2227941 5-73					18		10,313	4.70	485							
573660 WOODACRES MERIMOST.....*		3	4	2-56,57	10	1.2	9,345	4.57	427	0	26		-106	.00	-5	-7
07-25-66 546331 2059499 5-73					80		9,725	4.62	449							
573661 WOODACRES BONMOST.....*		5	10	4-56,57,	17	1.1	11,759	4.35	511	14	27		+231	-.06	+4	+10
08-09-66 546331 2085918 5-73				58,64	126		11,012	4.55	501							
573674 BOE RIDGE LEADERS G WHIZZ.....		5	8	2-41,42	20	1.3	11,501	4.64	534	11	36		+173	+.01	+9	+13
04-02-65 556306 2238772 5-73					11		11,126	4.62	514							
573675 SUNNYDELL ADMIRAL EZRA.....*		3	9	2-14,56	12	1.0	11,989	4.70	564	33	22		+83	.00	+4	+6
03-03-66 552607 2113181 5-73					17		11,792	4.71	555							
573678 WESTERN GLOW DUCHESS ROSE KING*	93-19	18	3	8-23,35,	29	1.1	10,020	4.55	456	32	54		-177	-.10	-18	-20
01-23-67 558832 1682143 5-73				42,82,91	13		10,389	4.76	495							
573699 FOREMOST NANCE PREFORMER.....*		7	12	4-43,48,	30	1.4	10,724	4.49	482	21	40		+255	-.04	+8	+14
07-11-66 533769 1938846 5-73				73,84	69		10,094	4.59	463							
573712 NYALA OARIMOST GENERAL.....*		2	13	2-16,23	15	1.1	11,196	4.78	535	33	22		0	+.01	+1	+1
04-06-66 546331 2181638 5-73					44		11,329	4.73	536							
573725 BELMONT VIEW STAR KING.....*		5	6	3-55,56,	16	1.0	11,408	4.50	513	13	32		+44	+.05	+7	+7
C7-20-66 556020 2225465 5-73				57	54		11,405	4.34	495							
573730 SUNESLOPE HAL OEAN.....*		1	12	1-42	12	1.2	12,078	4.96	599	8	19		+158	+.04	+11	+14
04-09-66 541009 1627007 9-72					19		11,400	4.83	551							
573759 MCCOYS FARM HAPPY.....*		2	11	1-42	13	1.5	10,225	5.15	527	0	23		-69	+.07	+4	+1
08-03-66 533454 2107354 5-73					12		10,584	4.88	517							
573770 ROUND HILL NANCES WOSTER.....*		3	11	1-52	17	1.2	10,680	4.53	484	6	28		+384	-.04	+14	+23
C6-30-66 533769 2143159 5-73					27		9,206	4.69	432							
573774 VALLEY SET ARTIST ASTRONOT....*		5	6	1-32	12	1.3	9,660	4.57	441	42	28		-351	-.05	-21	-28
08-30-66 558179 1439782 5-73					19		11,022	4.77	526							
573781 TWIN VALLEY BRUCE.....		1	11	1-14	11	2.2	10,859	4.70	510	10	22		+19	+.02	+3	+3
03-05-65 556965 2030927 5-73					13		10,659	4.60	500							
573788 ELM MOOR CARITAS CHAMPION.....*		3	13	1-48	17	1.5	10,583	4.91	520	6	26		-273	+.05	-8	-15
C5-03-66 541009 2181067 5-73					12		11,820	4.76	563							
573829 NORGERTS LEADERS FUTURE.....*		2	6	1-35	11	1.8	11,682	4.56	533	0	29		+305	.00	+14	+21
C1-15-66 555040 2059181 1-73					25		10,680	4.55	486							

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HO	STATES NO- WITH MOST DAUS	DAUS	DAUGHTERS AND HEROMATES REC/DAU HM/DAU	HEROMATE	MILK	%	FAT	% FAT	1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
573847 NORTHERN NANCE JUBILEE.....*		1	23	1-72	23	1.0		7,945	4.42	351	0	21		+93	-.03	+1	+4
06-28-66 533769 1344800 5-73					44			7,230	4.62	334							
573888 WAKENA NANCES MAX.....*		1	10	1-92	10	1.4		10,796	4.78	516	0	20		+36	.00	+2	+3
07-08-66 533769 2246703 5-73					11			10,678	4.79	511							
573900 W J MIKE SHADE.....*		1	13	1-41	13	1.4		7,944	4.23	336	42	21		-331	-.05	-20	-26
01-20-67 557612 1810020 5-73					17			9,479	4.59	435							
573928 BROWNIES FARMS OSBORN.....*		2	9	2-86,93	11	1.0		11,360	4.52	514	11	20		+59	+.03	+6	+7
08-17-66 546331 2198896 5-73					77			11,178	4.37	489							
573929 BROWNIES FARMS ORMOND.....*	21-10	26	2	6-11,14,	33	1.6		11,176	4.43	495	16	64		+259	-.13	-1	+7
07-17-66 546331 2132278 5-73				16,21,23	22			10,855	4.62	502							
573930 JORELLA PENNYS VANCE.....*	23-13	16	11	4-51,52,	45	1.0		11,458	4.77	547	14	48		+166	+.03	+11	+14
11-22-66 533769 1344309 5-73				54,93	61			11,233	4.74	532							
573956 WESTLYNN LADDIE.....*		3	9	2-82,91	14	1.6		10,765	4.44	478	0	28		+177	-.04	+4	+9
06-01-66 563656 2312746 5-73					19			10,144	4.55	462							
573968 NANCES LEADER OF MAPLE VUE....*	35-21	2	16	1-21	20	1.3		12,716	4.38	557	15	25		+631	-.07	+22	+37
11-04-66 533769 2150095 5-73					10			10,199	4.62	471							
573972 METZGER FARMS VALOR JOEL.....*		2	10	1-32	12	1.2		12,333	4.98	614	42	21		-26	-.01	-2	-2
12-02-66 539742 1793315 5-73					24			12,730	5.07	646							
573993 BAY MEADOW COUNTS OUOE.....*		3	7	2-86,93	10	1.1		10,140	4.59	465	20	22		-204	.00	-9	-14
03-26-66 559464 1767018 1-73					198			11,189	4.62	517							
573995 BAY MEADOW CEDARS DIRECTOR....*		2	9	1-93	14	1.3		12,825	4.46	572	14	26		-12	.00	-1	-1
08-27-66 564966 2159318 5-73					34			13,192	4.48	591							
574002 SPRING RIDGE G BINGO.....*	35-05	29	3	3-31,35,	53	1.1		9,820	4.88	479	24	68		-411	+.09	-10	-21
08-28-66 552424 1874596 5-73				41	20			10,469	4.76	498							
574003 HAPPY ACRES LOIS MURRAY.....*		2	10	1-35	13	1.1		9,104	4.61	420	38	23		-136	.00	-6	-9
09-16-66 541009 1949346 5-73					18			9,672	4.63	448							
574011 WOODACRES DARIANNS HAL.....*	23-13	26	5	7-11,13,	63	1.2		10,400	4.57	475	21	67		-60	+.01	-2	-3
04-08-66 541009 2152242 5-73				21,22,23	23			10,543	4.57	482							
574020 LYRENE TOP DOMINO.....*	33-03	95	3	25-23,31,	159	1.0		10,881	4.47	486	26	87		+218	-.10	0	+7
12-21-66 549235 2036257 5-73				33,35,41	23			10,697	4.57	489							
574025 LYRENE FARGO.....*		4	7	1-34	17	1.2		13,156	4.80	631	33	32		+271	.00	+12	+18
05-03-66 537680 1939897 5-73					23			12,552	4.83	606							
574039 MANOR BONNIE LAD.....*		3	23	2-51,52	28	1.2		10,200	4.99	509	18	26		+126	+.02	+8	+10
06-21-66 540259 2065175 5-73					81			9,688	4.95	480							
574053 ANSMIL FLASHS ROMEO.....*	31-07	10	2	4-31,56,	16	1.1		10,112	4.49	454	0	43		-348	+.01	-15	-23
08-23-66 475548 2206493 5-73				63,64	18			11,024	4.49	495							
574073 HILLCREST ETHELS ALARIC.....*	21-10	24	2	5-11,14,	38	1.1		9,820	4.53	445	27	62		-250	+.04	-8	-14
11-29-66 511244 1882179 5-73				16,21,23	15			10,245	4.49	460							
574074 ADVANCES CALVERT.....		1	12	1-32	12	1.0		7,050	4.65	328	33	19		-126	+.02	-4	-7
07-14-65 54869C 1891247 1-73					8			7,478	4.57	342							
574080 ROES MOR H OEXTER.....*	35-05	24	2	4-35,41,	41	1.2		10,755	4.81	517	10	64		+74	+.09	+13	+13
10-02-66 541009 1987426 5-73				42,91	18			10,708	4.68	501							
574087 FOREMOST VALOR JUSTIN.....*		2	10	1-43	12	1.5		8,711	4.32	376	25	23		-229	-.02	-13	-18
04-11-66 551015 1447167 5-73					20			9,075	4.47	432							
574089 BONANZA MILORD OF M G.....		2	6	1-35	10	1.7		11,348	4.77	541	20	27		-121	+.05	-1	-4
10-18-56 436783 2226338 1-73					8			12,005	4.66	559							
574108 MAPLE ROW TRUMPETERS LEO.....*		1	13	1-21	13	1.1		12,459	4.77	594	13	19		+157	-.04	+3	+7
09-11-66 521150 2006435 5-73					30			11,829	4.98	589							
574114 FARVIEW B NOAH.....*		2	8	1-35	10	1.2		9,774	4.70	459	20	21		-73	.00	-3	-5
10-31-66 555424 2168986 5-73					12			10,146	4.75	482							
574118 NORGERTS NANCE BELLRINGER.....*		3	10	1-43	14	1.0		9,939	4.56	453	63	23		-142	-.01	-8	-11
02-03-67 533769 2101265 5-73					47			10,629	4.68	497							
574131 SUNNYMEDE GOLDEN SELECT.....*		2	6	1-43	10	1.2		10,466	5.04	527	25	24		-117	+.05	0	-4
09-04-65 557991 1803434 5-73					31			11,066	4.84	536							
574163 METZGER FARMS VINCENT VAN.....*		1	20	1-32	20	1.4		11,528	5.23	603	20	23		-176	+.14	+6	0
10-27-66 552038 1543739 5-73					16			12,560	4.69	589							
574168 BUNKER HILL W POWHATAN.....*		2	5	1-52	10	1.2		10,465	4.82	504	38	25		-63	+.04	+1	-1
04-10-65 557542 2186147 9-72					42			10,795	4.68	505							
574184 QUAIL ROOST BETTS HAL.....*		1	12	1-55	12	1.0		9,031	4.89	442	33	19		-294	+.04	-10	-17
04-07-66 541009 1954474 1-73					68			10,684	4.74	506							
574192 QUAIL ROOST PEERLESS NANCE....*		1	10	1-55	10	1.0		11,757	4.58	539	13	18		+156	-.03	+4	+8
08-08-66 533769 1824277 5-73					62			10,970	4.74	520							
574231 MARFREO EVES NANCE.....*		1	17	1-56	17	1.3		11,301	4.20	475	24	22		-33	-.07	-9	-8
08-24-65 5337e9 2266941 5-73					26			11,617	4.53	526							
574232 BOE RIDGE BUTTERFAT JUBILEE...*		3	6	1-42	11	1.1		9,622	4.95	476	36	24		-365	+.04	-13	-22
03-24-67 493764 1995026 5-73					10			11,251	4.83	543							
574256 RUTTER BROS T C DUKE.....*		1	13	1-23	13	1.1		11,388	4.43	505	54	19		+97	-.05	-1	+2
03-18-67 549235 2188120 5-73					29			10,986	4.75	522							
574263 GOLDEN CIRCLE SCOTMAN SAMSON..		1	20	1-35	20	1.6		10,340	4.87	504	29	24		-144	+.03	-4	-8
09-11-65 536610 2033544 5-73					21			11,058	4.83	534							
574287 BUSHY PARK BILLY DISTINCTION..*		1	12	1-52	12	1.0		11,850	4.42	524	33	19		+58	-.02	+1	+3
10-19-66 557860 1916211 5-73					66			11,707	4.48	524							
574293 TERANCO PATS LAD.....		1	24	1-33	24	1.3		9,262	4.84	448	4	23		-67	+.03	0	-2
01-02-66 5537e4 1586322 5-73					17			9,509	4.69	446							
574304 C & P C COMMANDER.....*		1	14	1-56	14	1.6		10,064	4.31	434	7	22		-108	-.02	-7	-9
12-29-66 549235 2106196 5-73					38			10,614	4.46	473							
574310 ANSMIL M PIONEER.....		1	10	1-52	10	1.0		9,813	4.39	431	10	18		-62	-.06	-9	-9
04-18-67 553451 2237681 9-72					13			10,182	4.79	488							
574319 HILOIEMAID FLASHS HONOR B.....*	31-07	12	2	5-31,32,	18	1.1		10,218	4.72	482	11	44		+87	+.03	+7	+8
09-20-66 4755e8 2164636 5-73				33,35,61	15			10,019	4.66	467							
574345 GRANOVIEW NANCES DANCER.....*		3	15	1-55	22	1.3		10,390	4.25	442	50	28		-145	-.06	-13	-15
09-12-66 533769 1776206 5-73					23			11,003	4.51	496							
574383 MED J BLOOM MARGYS VALOR.....*		3	5	2-31,34	10	1.1		9,361	5.00	468	50	25		-451	+.07	-14	-25
02-16-67 5397e2 2250474 5-73					61			11,279	4.75	536							

REGISTRATION NUMBER / NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HO	STATES WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS	REC/DAU HEROMATE	MILK	%	FAT	% 1ST LACT INC	% REPT	PREDICTED DIFFERENCES MILK	%	FAT	$$
574385 MED O BLOOM MARSHAS COMMANO...*		5	6	3-32,34,	16	1.0	10,239	4.67	478	44	32	-59	-.02	-5	-6
12-11-66 549235 2141096 5-73				63	54		10,471	4.78	501						
574435 EDISTO FARMS J SATURN.....*		3	8	2-56,58	13	1.1	8,994	4.54	408	0	25	-37	-.01	-3	-4
C9-03-66 521086 1821586 5-73					59		9,052	4.62	418						
574506 WASSONS CHRISTIES NANCE.....*		1	20	1-71	20	1.4	10,139	4.20	426	12	23	-83	+.03	-1	-3
06-27-56 533769 2042057 5-73					37		10,551	4.11	434						
574509 IDEALS CHARLEMAGNE.....*		14	1	11-15,22,	17	1.1	9,204	4.58	422	35	45	-519	+.05	-19	-31
11-03-66 559319 1829565 5-73				33,51,58	43		10,386	4.49	466						
574567 OUTCH MILLS NANCE LAD.....*		2	7	1-32	10	1.1	12,962	4.57	592	13	22	+200	-.07	+2	+8
10-14-66 533769 2152426 5-73					23		12,270	4.87	597						
574575 ROETTA N LAD.....		3	8	2-91,93	18	1.0	9,971	4.84	483	17	31	-236	+.06	-5	-11
08-11-66 533769 2196908 5-73					9		10,828	4.70	509						
574603 FAUVER HILL TOP JUPITER.....*	35-05	13	2	4-35,41,	21	1.0	9,630	4.32	416	37	48	-432	-.13	-32	-39
01-16-67 549235 2197143 5-73				42,65	21		10,588	4.60	487						
574605 YELLOW CREEK JOLLY SPORT.....*		5	5	4-32,43,	14	1.1	8,811	4.77	420	18	31	-207	+.08	-2	-8
01-01-67 565936 2131148 5-73				61,63	26		9,411	4.52	425						
574616 SHAWS TOP COMMANDER.....*		4	5	2-33,43	15	1.4	9,222	4.63	427	33	35	-134	+.01	-5	-8
01-17-66 562021 2193571 5-73					28		9,553	4.63	443						
574631 GARNAVILLO VALORS KNIGHT.....*		2	7	1-42	10	1.2	12,187	4.56	556	0	22	+94	-.04	0	+3
03-14-67 565868 1961522 5-73					15		11,959	4.78	572						
574656 LOOKWELL N CAROLER.....*		4	6	1-32	13	1.2	10,536	4.48	472	50	29	-51	-.04	-6	-6
08-31-66 533769 2087230 5-73					16		10,792	4.64	501						
574659 GOLDEN HAVEN CHAMPION.....*		1	12	1-32	12	1.5	9,626	4.80	462	18	21	-63	+.02	-1	-3
09-08-66 550772 2061359 5-73					13		9,922	4.76	472						
574671 ROLINDA GLAMOROUS FLASHER.....		1	19	1-93	19	1.4	9,695	4.55	441	20	22	+93	-.02	+2	+4
Co-22-65 508870 1689161 5-73					10		9,197	4.64	427						
574689 LAUXMONT NAPOLEON.....*		2	8	2-23,43	10	1.0	10,425	4.75	495	20	20	+104	+.01	+6	+8
05-22-67 529641 2237832 5-73					46		9,878	4.72	466						
574720 FOREMOST 3 FORTUNE.....*		1	13	1-43	13	1.2	9,214	4.67	430	15	20	+92	-.01	+3	+5
12-14-66 511244 2165032 5-73					50		8,605	4.74	408						
574760 MARFREO STAR EMPEROR.....*		2	7	1-56	14	1.0	9,791	4.37	428	36	27	-12	-.01	-2	-2
10-30-66 556020 2137591 5-73					23		9,817	4.44	436						
574791 YELLOW CREEK 8FT ALIX.....*		1	14	1-34	14	1.0	9,774	4.73	462	43	19	-67	.00	-3	-4
11-11-66 547583 2182242 5-73					15		10,136	4.79	486						
574801 MANOR NANCES OEFENDER.....*		2	6	1-51	11	1.6	9,275	4.33	402	18	29	-283	-.17	-30	-33
09-30-66 533769 1938701 5-73					64		10,298	5.01	516						
574806 HOUSLEYS J BIMBO.....*	31-07	18	3	4-35,41,	30	1.0	10,066	4.88	491	33	55	-302	+.11	-3	-12
07-13-66 540627 2001383 5-73				42,63	19		10,679	4.70	502						
574810 HOUSLEYS J NERO.....*		2	9	1-63	14	1.1	10,923	4.36	476	15	25	+525	-.04	+20	+32
C8-28-65 540627 2255761 5-73					16		8,641	4.47	386						
574837 PLEASANT RIDGE JASON.....*		2	10	2-31,32	12	1.1	11,418	4.84	553	17	21	+20	+.06	+7	+6
02-22-67 570297 2287133 5-73					11		11,466	4.60	528						
574861 ROSEWOOD J ROY.....*		1	19	1-33	19	2.1	8,956	4.44	398	5	25	+277	-.04	+9	+16
G1-14-65 553251 1710317 5-73					13		7,622	4.62	352						
574863 ROSEWOOD AM CAVALIER.....*		1	13	1-33	13	1.4	8,650	4.31	373	23	21	-304	.00	-14	-21
12-20-66 556765 2225239 5-73					29		10,117	4.38	443						
574869 ELMWOOS DICTATOR.....*		2	13	1-34	15	1.0	10,731	5.04	541	40	21	-219	+.03	-7	-12
C9-22-66 557331 2122150 5-73					25		11,961	4.93	590						
574898 NORGERTS NANCE SCOTT.....*		7	11	2-35,65	31	1.2	13,293	4.54	604	19	40	+336	-.10	+5	+14
03-21-65 533769 1768548 5-73					16		12,723	4.76	605						
574905 PECKS PHARDAHS HORNET.....*		1	15	1-33	15	1.0	9,701	4.75	461	7	20	-65	+.02	-1	-3
11-04-66 555424 1823991 5-73					19		10,038	4.71	473						
574914 SHY VALLEY GOLD STANDARD.....*		1	10	1-63	10	1.0	8,971	4.57	410	60	18	+13	-.01	0	0
03-06-67 553905 2126953 9-72					20		8,770	4.63	406						
574939 FAR WEST DARI COUNT.....*	35-05	8	3	3-35,42,	13	1.1	11,637	4.62	538	15	33	+214	-.04	+6	+11
12-15-66 546331 2176238 5-73				91	27		11,100	4.75	527						
574954 BOSTWICK VALLEY PRINCE HAL....*		1	11	1-35	11	1.0	10,314	4.81	496	9	18	-209	+.04	-6	-11
C1-06-67 541009 1946747 1-73					17		11,626	4.69	545						
575083 HOLLIKING BILLIE OF NORMANORY.*		1	12	1-16	12	1.2	9,629	4.41	425	36	19	-57	+.02	-1	-3
C8-25-66 530211 1492573 1-73					41		9,919	4.36	432						
575084 WAWASEE FARM PONTIAC.....*		2	8	1-32	11	1.0	11,315	4.90	554	40	22	-292	+.11	-3	-11
10-13-66 556020 2076778 5-73					8		12,959	4.51	584						
575093 CIRCLE DRIVES N EMORY.....*		3	7	1-31	18	1.3	10,338	4.74	490	0	35	-74	+.02	-1	-3
C8-17-66 566837 2311319 5-73					12		10,609	4.69	498						
575101 HANSENAREA KIMOR.....*		1	23	1-21	23	1.3	12,187	4.48	546	4	23	+420	+.01	+20	+29
C8-04-66 528754 1956031 5-73					34		10,397	4.41	459						
575118 MEADOW GOLD NANCES MISTER.....*		1	11	1-34	11	1.0	8,876	4.80	426	27	18	-167	+.01	-7	-11
C6-25-67 557847 2234814 5-73					35		9,773	4.84	473						
575196 MYERLYN NANCES ELMER.....*		2	14	1-22	18	1.0	9,491	4.59	436	17	23	+108	-.04	+1	+4
10-19-66 533769 2218760 1-73					98		8,913	4.78	426						
575203 VILLA WAY NANCES TOM.....*		1	12	1-31	12	1.1	10,854	4.08	443	9	19	+221	-.11	-1	+6
12-22-66 533769 2023093 5-73					31		9,655	4.66	450						
575238 PLYMOUTH LANE ANDY.....*		3	12	2-32,57	25	1.5	10,464	5.24	548	4	36	-305	+.06	-8	-16
07-29-65 558740 1975211 5-73					17		11,450	5.12	586						
575273 TOMA DARIMOST FLASH.....*		1	11	1-41	11	1.0	10,212	4.61	471	0	18	+296	+.01	+15	+21
C8-23-67 546331 2226500 5-73					18		8,427	4.52	381						
575275 BIG SPRINGS T C COMMANO.....*		1	11	1-32	11	1.1	9,250	4.53	419	18	19	-100	.00	-5	-7
C2-20-67 549235 2155543 5-73					47		9,758	4.59	448						
575286 BLAKEFORD BON PRINCE.....*		2	10	1-33	12	1.0	9,477	4.65	441	33	20	-61	+.03	0	-2
C7-17-67 553667 1728676 5-73					26		9,753	4.52	441						
575300 VILLA CREST H DAIRYMAN.....		3	10	1-32	14	1.1	10,025	4.63	464	23	23	-183	+.03	-5	-10
11-22-66 554782 2259411 5-73					12		10,912	4.50	491						
575404 WOODACRES DARI CHIEF.....*	34-01	7	5	3-32,34,	15	1.0	9,909	4.77	473	7	32	-149	-.01	-8	-11
02-09-67 546331 1918508 5-73				54	26		10,409	4.86	506						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES ND- WITH MDST DAUS	... DAUGHTERS AND HERDMATES ... DAUS HM/DAU	REC/DAU HERDMATE	MILK	%	FAT	% 1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
575450 FRANCHESTER TDP MOST.....*	23-13	13	3	8-31,34,	24	1.0	11,065	4.63	512	21	48	+86	-.04	0	+3
06-01-67 549235 2152242 5-73				51,52,72	58		10,978	4.75	521						
575502 C & P B BILLY.....*		1	14	1-56	14	1.1	10,850	4.40	477	21	20	+47	-.02	0	+1
03-21-67 511244 1546496 5-73					33		10,681	4.48	479						
575519 GOLDEN HILLS F JUDE.....*		4	4	2-31,32	10	1.3	12,960	4.88	633	20	27	+471	+.03	+25	+35
02-18-67 570554 2078921 5-73					18		11,362	4.83	549						
575523 CLEVERLANDS ZENITH.....*		1	10	1-93	10	1.1	15,774	3.95	623	10	18	+168	-.05	+3	+8
03-03-67 533769 2192670 5-73					138		15,388	4.04	621						
575565 CLOVERDELLS BOOTS TOP.....*		2	22	1-43	24	1.1	8,449	4.53	383	29	23	-84	-.01	-5	-7
11-11-66 549235 2293430 5-73					17		8,679	4.67	405						
575566 MANOR COMMANDER.....*		4	12	3-23,51,	17	1.0	9,699	4.55	441	29	25	-12	-.05	-6	-5
03-27-67 549235 2175926 5-73				52	80		9,721	4.83	470						
575603 WESTERN GLOW MAY ROSE GALLANT.*		1	11	1-91	11	1.0	13,295	4.72	627	45	18	-110	+.01	-4	-7
10-18-67 553667 2232073 5-73					8		14,333	4.70	673						
575605 NEE JS F HAL.....		1	13	1-35	13	1.4	8,930	4.97	444	25	21	-335	+.10	-6	-15
04-03-65 541009 2104788 5-73					14		10,592	4.52	479						
575618 CLEVERLANDS KING ARTHUR.....*		4	7	2-86,93	18	1.0	12,473	4.46	556	11	32	-107	+.04	-1	-4
03-27-67 549235 1885778 5-73					171		13,122	4.37	573						
575672 BAYVILLE BILLY DOLLAR.....*		1	40	1-52	40	1.0	8,771	4.83	424	28	23	-287	+.05	-8	-15
04-18-67 511244 2132839 5-73					140		10,030	4.61	462						
575682 GRANDVIEW N HANDY BOY.....*		6	7	3-31,32,	24	1.3	11,592	4.38	508	4	41	+405	-.07	+11	+21
04-04-66 533769 2140564 5-73				34	17		10,661	4.54	484						
575719 ANGSTMAN FARM KENNETH.....*		2	8	2-41,51	10	1.0	9,097	4.38	398	20	20	-216	+.04	-6	-11
04-11-67 569813 1954989 5-73					10		10,232	4.21	431						
575722 ELSVIEW FARMS NEPTUNES DUKE...*		1	16	1-23	16	1.0	9,189	4.41	405	44	20	-73	+.01	-2	-4
04-27-67 536589 1820794 5-73					69		9,511	4.35	414						
575739 HAPPY HILL TRANSFER DUKE.....*		1	14	1-31	14	1.1	11,176	4.69	524	23	20	-32	-.01	-2	-3
11-23-66 556308 2236487 5-73					52		11,487	4.77	548						
575753 ALCHRIST BONANZAS ACE.....		1	19	1-41	19	1.7	9,176	4.59	421	6	24	-11	+.01	0	0
09-13-65 496783 2054375 5-73					13		9,136	4.61	421						
575762 PINE RIDGE DASHER.....		1	13	1-35	13	1.0	10,545	4.65	490	0	19	-231	.00	-11	-16
04-12-67 547765 2127328 5-73					19		11,962	4.70	562						
575764 CHESTERLUCK BON HAPPY BOY.....*		2	17	1-33	21	1.3	10,481	4.80	503	11	25	+13	-.02	-1	0
05-06-65 496783 2153833 1-73					39		10,475	4.92	515						
575834 MYERLEA BILLY ELEVATOR.....*		1	14	1-22	14	1.8	8,833	4.98	440	14	23	-76	+.04	0	-2
10-29-66 511244 2128825 1-73					95		9,070	4.81	436						
575851 WALKER FARMS GAY REBEL.....*	33-03	15	1	12-14,21,	18	1.0	11,062	4.67	517	11	46	+74	+.03	+6	+7
09-13-67 549235 1920224 5-73				41,84,91	22		10,998	4.63	509						
575978 MUNGLES SABO SUNNY.....*		3	8	3-42,72,	11	1.0	11,291	4.46	504	18	22	+223	-.04	+6	+12
07-30-67 553653 2046316 5-73				73	108		10,300	4.62	476						
575995 GATES NANCE STAR.....*		1	12	1-43	12	1.1	10,360	5.49	569	17	19	-110	+.03	-2	-5
07-09-66 533769 1929833 1-73					25		11,045	5.41	597						
576059 KENMON DICTATOR.....*		4	12	1-42	22	1.1	10,528	4.47	471	19	30	-23	-.01	-2	-2
12-06-66 549235 2024292 5-73					9		10,675	4.54	485						
576162 MAXVALES J M MONEPA.....*		3	5	3-82,91,	10	1.0	10,645	4.46	475	20	25	+88	-.04	0	+3
01-03-67 546331 1861598 5-73				92	29		10,317	4.63	478						
576201 PRAIRIE MOON BUSTER.....*		3	5	1-42	12	1.2	9,812	4.95	486	42	29	-385	+.01	-17	-26
12-26-66 541009 2072845 5-73					15		11,247	4.93	555						
576230 VIADUCT ACE.....*		2	8	1-41	10	1.3	8,330	5.01	417	22	21	-158	+.03	-4	-8
02-10-66 556706 1950282 1-73					25		8,985	4.87	438						
576431 NIEMANN FARMS ALBERT.....*		1	20	1-33	20	1.9	9,665	4.66	450	5	25	-170	+.06	-2	-7
12-25-64 524993 2146523 5-73					6		10,390	4.43	460						
576455 SHENMONT M PATRICK.....*		1	10	1-52	10	1.0	8,730	4.70	410	50	18	-141	-.01	-7	-10
07-01-67 548052 1838391 5-73					28		9,480	4.78	453						
576470 ELLISOL JIMMY.....		1	30	1-23	30	1.5	9,591	4.75	456	14	24	-97	+.05	0	-3
12-18-63 548689 1999001 5-73					12		9,990	4.61	461						
576735 VILLAGESIDE DAISYS CHIEF.....*		4	7	2-23,52	13	1.0	10,743	4.48	481	64	26	-165	+.01	-7	-11
10-18-63 557543 1925404 5-73					44		11,526	4.48	516						
576925 FLASHS STARS NORMAN.....		1	12	1-52	12	1.0	10,434	4.89	510	9	19	+14	+.02	+3	+3
05-03-67 556020 2167411 5-73					14		10,394	4.81	500						
576939 LOCKSHORE FORESQUIRE VIKING...*		3	8	1-34	16	1.1	12,482	4.63	578	38	29	+118	.00	+5	+8
03-03-67 550183 2195683 5-73					62		12,309	4.64	571						
576940 LOCKSHORE JANICES WARRIOR.....*		5	3	1-34	12	1.0	12,118	4.55	551	25	31	+258	-.07	+5	+12
01-08-67 528424 2057156 5-73					39		11,439	4.76	544						
577245 RIVERWOOD PRINCE ROCKY.....*		1	10	1-32	10	1.0	11,320	4.93	556	10	18	+100	+.08	+13	+14
07-14-67 553667 1957160 5-73					10		10,835	4.48	485						
577794 BELLEMONTE M BILLY.....		1	10	1-52	10	1.0	11,042	4.78	528	20	18	+118	+.02	+7	+9
09-26-66 511244 2256683 9-72					26		10,416	4.71	491						
578077 NORMANDY BILLY FORESQUIRE.....*		2	8	1-32	11	1.0	11,387	4.94	563	22	22	-165	+.08	0	-5
01-08-67 511244 2047346 5-73					27		12,389	4.67	579						
579179 WINDEMERE NOBLE LAD.....*		1	11	1-33	11	1.1	8,858	4.67	414	9	19	-44	-.01	-3	-4
02-09-66 524759 2194947 1-73					22		8,997	4.78	430						
580328 ALMAR LOIS NANCE.....*		2	14	1-51	18	1.8	9,719	4.86	472	0	28	-295	+.05	-9	-16
10-06-65 533769 1679902 5-73					12		10,882	4.72	514						
010016527 TANNERY HILL NOBLE'S KING.....*		11	2	8-12,13,	15	1.6	12,147	4.58	556	25	45	+706	-.03	+29	+45
11-19-59 010037879 010075287 5-73				21,23,31	26		10,620	4.64	493						
14WH81198		1	12	1-14	12	1.3	7,591	4.62	351	17	20	-12	+.01	0	0
5-73					7		7,391	4.61	341						
41W8T6290		1	13	1-41	13	2.2	8,889	5.42	482	**	23	-420	+.13	-7	-18
5-73					12		10,789	4.84	522						
56WAE8726		1	13	1-56	13	1.8	9,615	4.30	413	0	23	-281	-.01	-14	-20
5-73					23		10,951	4.38	480						
91WAP6444		1	23	1-91	23	1.5	9,357	4.57	428	11	24	-154	+.01	-6	-10
5-73					3		10,012	4.58	459						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF OAU /HO	STATES NO- WITH MOST OAUS	... DAUGHTERS AND HERDMATES ... OAUS HM/DAU	REC/OAU HERDMATE	MILK MILK	% %	FAT FAT	% 1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
769170 LAJXMONT ADMIRAL LUCIFER.....*	23-08	630	4	16-21,22,	1,175	2.8	13,677	3.77	515	**	98	+152	+.01	+7	+10
C9-17-38 596612 1820953 5-73				23,31,51	12		13,426	3.78	507						
798291 SIR CLAREMONT PIETJE POS HART.	35-75	13	2	4-32,35,	17	3.1	13,466	3.73	502	**	51	-415	+.01	-13	-23
11-19-37 0101033939 2354399 1-73				55,91	13		14,267	3.72	531						
833599 BURKE FOBES ABBEKERK.....*	23-04	352	2	8-21,22,	573	2.6	13,459	3.63	488	**	97	+132	-.06	-4	+1
11-17-40 751977 2D03121 5-73				23,51,72	12		13,204	3.71	490						
834605 LAUXMONT SAFEMASTER SENATOR...	35-75	10	2	5-32,34,	13	2.4	15,105	3.67	555	11	43	-66	+.02	0	-2
10-02-41 751642 1865495 1-73				35,41,93	71		15,357	3.65	561						
843274 HILLSBORO SIR ORMSBY FOBES....	52-01	73	3	2-52,57	114	2.2	12,440	3.74	465	**	85	-520	+.06	-10	-24
D2-16-42 654594 1448642 1-73					17		12,903	3.67	473						
847579 KNOLLWOOD ALCARTRA CHIEFTAIN..*	21-01	879	2	14-13,14,	1,218	2.6	13,383	3.67	491	**	99	-427	+.08	-4	-16
12-19-41 695631 2D34074 5-73				16,21,23	16		13,753	3.58	493						
857269 S J C VALLEY EMPEROR STAR.....*	23-08	403	2	6-21,23,	628	2.3	12,751	3.74	477	**	97	-354	-.01	-14	-22
C2-19-42 759918 1490431 5-73				50,51,52	12		12,975	3.78	490						
891850 SUNSLOPE IMPERIAL CHIEF.....	35-75	16	1	8-21,34,	19	2.5	13,695	3.68	504	**	54	-145	+.04	+1	-4
06-05-43 826039 2163329 1-73				35,52,93	50		13,917	3.60	501						
903205 CARNATION IMPERIAL ADVOCATE...	87-01	62	2	3-82,83,	77	2.5	12,493	3.59	448	**	82	-851	+.06	-23	-45
C1-13-44 598462 2068708 1-73				87	10		13,436	3.52	473						
908248 LAUXMONT L CARR.....*	55-01	25	8	2-23,55	104	2.9	14,070	3.78	532	**	78	-494	+.14	+2	-13
C6-16-44 820083 2010166 5-73					28		14,744	3.59	530						
939765 ELMOALE RAG APPLE AUTOCRAT....*	23-02	385	3	3-21,23,	657	2.9	13,220	3.69	488	**	97	-291	+.05	-4	-12
C5-02-45 741318 2213668 5-73				51	10		13,423	3.65	490						
977110 HILLMAC SOVEREIGN.....	23-08	924	4	11-21,22,	2,148	2.7	12,680	3.83	486	**	99	-623	+.08	-12	-29
C4-23-45 010155159 010558791 5-73				23,50,51	11		13,190	3.77	497						
999669 WISCONSIN MASTERPIECE.....*	35-05	72	7	6-35,41,	137	3.2	12,602	3.60	454	5	83	-784	+.01	-27	-46
01-23-47 933122 2045367 5-73				42,46,73	17		13,451	3.60	484						
1014849 MENODCINO SIR HAZELTINE STAR..	93-01	11	3	1-93	21	2.5	16,415	3.40	558	**	51	-13	-.06	-9	-8
12-01-46 879747 2177480 1-73					53		16,671	3.51	585						
1018213 CLOVERBROOK SIR ADMIRAL ORMSBY	72-01	27	5	2-42,72	80	2.4	12,254	3.50	429	**	77	-282	+.05	-3	-11
10-26-46 887508 2557595 5-73					23		12,424	3.42	425						
1035230 BROAD ROCK GRACIOUS GOVERNOR..*	14-01	30	2	11-11,13,	41	2.9	14,721	3.70	545	**	72	-74	-.02	-5	-6
01-28-48 834432 1909689 5-72				14,16,52	15		14,874	3.74	557						
1042917 MENODCINO DUKE AAGGIE STAR....	93-10	23	10	1-93	96	2.0	16,855	3.51	592	**	72	+481	-.06	+9	+22
10-14-47 879747 1807379 5-73					30		16,386	3.58	586						
1044676 B O I LINEGOV ANOY.....*		6	4	3-51,91,	14	2.1	15,234	3.64	555	0	37	-280	-.03	-14	-20
C4-09-48 959896 2331941 5-73				93	26		16,173	3.73	603						
1049547 CHEMCO DEAN SEGIS.....*	21-01	2,819	4	19-13,14,	7,177	3.3	14,773	3.48	514	9	99	+145	-.09	-8	-2
11-06-48 761977 2369115 9-72				21,23,56	19		14,654	3.57	523						
1053843 BROAOLAWN CREATOR COMET.....*		9	2	2-33,61	13	2.5	12,738	3.76	479	**	42	-232	+.05	-1	-8
C9-11-48 959466 2142778 1-73					11		13,176	3.65	481						
1058067 OICTATOR PERFECTION BURKE.....	41-01	11	2	3-41,45,	17	1.9	11,498	3.62	416	**	47	-593	+.05	-14	-29
11-29-48 757597 2365261 5-73				46	31		12,575	3.51	441						
1059253 LOS ROBLES GERBEN BURKE SEGIS.		3	33	1-93	37	2.4	14,973	3.57	534	0	30	-42	+.01	0	-1
11-16-48 892265 2378047 5-73					88		15,198	3.53	537						
1061611 HARTSBROOK BONNY COMET.....*		17	17	4-12,13,	75	2.3	14,871	3.68	547	18	60	+169	-.01	+4	+8
01-01-49 959466 2770447 5-73				14,16	19		14,610	3.72	543						
1064037 MACDONALD POSCH AJAX.....*		5	26	1-52	38	2.9	10,624	3.37	358	**	36	-468	-.02	-19	-30
C6-10-48 010144567 010380457 5-73					46		11,645	3.45	402						
1064621 OTCO RO VAR BEAU.....		1	14	1-21	14	2.1	15,813	3.40	537	**	23	+2	.00	0	0
C3-07-49 877826 2678651 1-73					12		15,959	3.42	545						
1068870 WIS WHIRLWIND.....*		17	66	9-31,34,	103	2.8	13,000	3.58	465	**	40	-144	+.01	-4	-8
C4-14-49 933122 2347083 5-73				48,64,87	40		13,246	3.56	472						
1079427 CHRISTY HOMESTEAD ROYAL.....*		12	37	4-32,51,	75	3.1	14,326	3.64	521	15	45	-41	-.01	-3	-4
11-24-48 943799 2826340 5-73				52,55	26		14,422	3.67	530						
1079658 MEADOW SPRINGS PIETERTJE HAVEN*		38	25	4-22,23,	159	3.7	13,654	3.88	530	11	71	-543	+.09	-7	-22
C4-26-49 742938 2268148 5-73				35,57	16		14,418	3.77	544						
1084607 DIAMOND S SIR MARION PIETERTJE	93-05	34	22	5-82,84,	159	2.2	15,124	3.72	563	**	71	-871	+.12	-15	-39
12-24-48 884043 2218437 5-73				86,91,93	198		16,566	3.58	593						
1085976 SEARSFARM GROME GALANTE ICON..		13	1	1-21	15	3.5	14,742	3.59	529	8	51	-72	+.02	0	-2
11-21-49 1016393 2891010 5-73					19		14,938	3.55	530						
1088709 CURTISS CANOY FOBES AGAIN.....*	33-03	63	1	13-21,23,	68	2.6	12,568	3.55	446	**	82	-594	-.08	-33	-45
12-12-49 943242 1897962 1-73				31,32,35	12		13,177	3.67	484						
1094296 GRAY VIEW JONAH BURKE.....*	35-01	17	2	3-35,42,	23	2.4	13,757	3.63	499	**	56	-1	+.01	+1	+1
C6-14-49 895911 2202254 5-73				51	12		13,691	3.62	495						
1106533 B O I GOVSON ANCHOR.....*		1	25	1-52	25	4.1	8,607	3.44	296	**	28	-390	-.03	-18	-27
01-23-50 977004 2222062 5-73					12		9,511	3.65	347						
1109405 HOMESTEAD JUOY ALERT LAD.....		18	2	1-54	29	2.1	11,328	3.65	413	**	61	-182	+.02	-4	-9
02-24-50 1065944 2394731 5-73					11		11,321	3.63	411						
1119069 PABST ROJESS INKA.....*		3	11	1-31	24	1.5	12,193	3.80	463	**	36	-309	+.08	0	-9
10-05-50 859213 2973775 5-73					15		12,915	3.56	460						
1120619 ADMIRAL ORMSBY COMET.....*	35-01	21	2	4-22,35,	30	2.9	12,979	3.47	451	**	64	-122	-.06	-13	-14
C8-01-50 1024451 2688651 5-73				55,61	11		13,034	3.59	468						
1128307 PABST WALKER OLLIE.....*		123	1	20-16,21,	137	2.5	14,153	3.79	537	**	90	+37	+.15	+23	+20
12-25-50 981360 2753387 5-73				22,23,31	20		14,081	3.62	510						
1132998 KINLOCH RAG APPLE MARKSMAN....*		11	18	2-21,52	36	3.9	14,169	3.57	506	**	43	0	+.01	+1	+1
11-01-50 1033112 2677761 5-73					13		14,144	3.56	503						
1137421 APPALACHIAN LAUXMONT COLANTHUS*	31-01	202	28	11-31,55,	741	3.1	15,198	3.71	564	14	91	+136	+.09	+18	+19
02-14-51 813911 2430950 1-73				72,74,85	28		15,122	3.62	547						
1139738 MASTER BROAD ROCK STAR.....*		12	2	1-23	19	2.3	12,339	3.78	466	**	52	-674	+.07	-15	-33
02-08-51 834432 2316592 1-73					13		13,545	3.65	495						
1143527 PABST WALKER ROAM.....	72-01	42	18	4-41,47,	177	2.8	13,074	3.32	434	2	78	-211	-.05	-15	-19
C5-17-51 981360 2901869 5-73				65,72	29		13,231	3.38	447						
1149907 COVA GOLD PRODUCER.....		2	7	1-52	10	2.2	12,080	3.75	453	**	24	-184	+.02	-4	-9
10-14-51 1052690 2534983 1-73					8		12,676	3.69	468						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	DAUGHTERS AND HEROMATES ... DAUS HMS/DAU	REC/DAU HEROMATE	MILK	%	FAT	%	1ST REPT INC	%	PREDICTED DIFFERENCES MILK	%	FAT	$$
1152226 CARNATION PROGRESSOR GAY BOY..*		3	20	1-93	53	2.3	14,158	3.69	522	**	47	-557	-.02	-23	-36
C2-12-51 808292 2866874 5-73					24		15,442	3.75	579						
1154817 POESTENKILL BURKE GERBEN.....*	22-03	262	9	10-14,21,	886	3.5	13,955	3.68	514	6	97	-292	+.03	-6	-14
C6-04-50 1084039 2821015 1-73				22,23,51	22		14,243	3.66	522						
1158958 LAVACRES DE KOL BLACK HAWK....		1	21	1-93	21	1.0	17,346	3.14	545	**	21	-21	-.04	-6	-6
C7-28-51 1026263 2791853 5-73					116		17,788	3.28	583						
1160566 VELVEETA TRIPLE BURKE PRINCE..	87-01	55	2	7-42,46,	75	2.6	13,057	3.50	457	9	81	-595	-.02	-24	-38
12-09-50 1271511 2931688 5-73				47,82,87	16		13,727	3.53	485						
1170055 HARDEN FARMS OUNLOGGIN CHARM..		1	20	1-52	20	2.6	12,833	3.67	471	**	24	-59	-.03	-7	-8
12-20-51 903720 3455761 9-72					2		12,933	3.68	502						
1171324 OSBORNDALE ERIC ROXANNE FOBES.*		7	46	1-21	97	2.8	13,823	3.54	489	7	47	-313	+.04	-5	-14
C7-16-51 934577 3183213 5-73					30		14,509	3.45	500						
1171436 VENLE ROYAL EMPEROR JASA.....*		7	33	2-21,23	49	3.9	15,555	3.75	583	3	39	+177	+.04	+12	+15
C1-04-52 1354716 2959999 5-73					21		15,173	3.66	555						
1171446 LOCVALE PRINTER STEVE.....*		5	30	3-51,55,	58	4.2	11,581	3.72	431	**	45	-488	.00	-17	-29
C8-23-51 1014608 2195348 5-73				58	29		12,485	3.72	465						
1171454 PABST ROAMER ORMSBY FOBES.....*		9	4	1-34	25	3.3	13,365	3.63	503	**	54	+347	-.02	+9	+18
C7-04-51 859213 2276219 5-73					11		13,087	3.68	482						
1171458 PABST ROAMER ADMIN.....*		99	1	26-21,22,	114	2.0	14,240	3.61	514	**	87	-211	+.03	-4	-10
C1-14-52 859213 2093043 5-73				23,31,57	28		14,494	3.59	520						
1174788 FRAN-WILL ADMIRAL LUCIFER.....	31-01	173	15	8-31,55,	516	3.1	14,620	3.56	520	15	92	-271	-.04	-16	-21
C2-24-52 759170 2703929 1-73				74,84,85	27		14,974	3.61	541						
1175533 RAINBOW OX BOW.....		10	4	3-34,91,	24	1.9	15,878	3.60	571	**	50	+276	+.02	+13	+19
C9-15-51 1048340 2579836 5-73				92	29		15,429	3.55	548						
1175596 FRASEA IDEAL PILOT.....*		83	8	22-23,35,	189	3.2	14,584	3.70	539	8	87	-420	+.04	-10	-21
C1-01-51 010182991 010543922 5-73				42,82,91	22		15,146	3.66	555						
1176957 MARSHLINE PABST REGAL ROBIN...*		22	6	5-16,21,	50	3.6	15,204	3.61	549	**	68	+447	-.05	+9	+21
C1-27-52 931195 2368844 5-73				22,51,52	11		14,561	3.69	538						
1178303 GREENACRES GRAND SANAR.....		6	60	1-23	88	3.1	15,174	3.59	544	**	39	+429	-.04	+9	+20
C2-09-52 956539 3245577 5-73					15		14,023	3.72	522						
1178849 MISHVILLA ROAMDELL ROMEO OITTO	35-75	127	2	26-21,32,	168	2.7	14,084	3.55	500	12	91	-136	-.03	-9	-12
10-21-51 975137 2033904 5-73				34,82,93	37		14,217	3.59	510						
1179748 KING SPRING FARM RAG APPLE....*		81	1	14-21,23,	90	1.7	12,933	3.71	480	**	84	-747	+.10	-13	-33
C1-28-52 010212300 3423450 5-73				31,32,34	19		13,766	3.59	494						
1181029 BURKE MAVIEW TJGUS.....	35-75	1,856	5	43-21,23,	4,134	3.4	14,501	3.65	530	9	99	+54	+.03	+7	+7
C3-31-52 821505 2662449 5-73				35,41,48	20		14,453	3.62	523						
1182925 BUTTERCUP OUNLOGGIN PRINCE....*		2	13	1-35	18	3.1	12,987	4.07	528	**	30	+76	+.06	+11	+11
10-29-51 915469 2633987 1-73					13		12,552	3.88	487						
1183120 PLAIN VIEW DOMINATOR.....	93-10	23	11	3-35,41,	78	1.9	15,262	3.68	561	**	67	-763	+.12	-11	-32
05-07-52 915940 2608304 5-73				93	35		16,635	3.52	585						
1187063 SEQUOIA MONTVIC BURKE JO.....*		15	1	6-21,22,	16	2.7	11,828	3.53	418	**	52	-631	-.02	-25	-40
C1-28-52 915811 2354012 1-73				31,34,63	9		12,907	3.59	463						
1190151 WALKER MABEL PABST OF RONHUB..*	33-03	1,175	3	41-21,23,	1,896	3.1	13,605	3.69	502	9	99	-441	+.07	-6	-18
C7-14-52 1104657 2467841 1-73				31,32,41	18		14,014	3.62	508						
1192784 CURTISS CANDY SOV HEIR.....	33-03	11	1	9-12,13,	12	2.6	14,288	3.50	500	**	44	+177	-.04	0	+5
C9-10-52 959669 3057676 5-73				21,23,32	11		13,829	3.62	501						
1192789 CURTISS CANDY REBURKE FAVOR...*	33-03	554	2	34-21,23,	736	3.2	13,109	3.78	496	11	98	-775	+.16	-6	-28
10-19-52 1003598 3010333 9-72				31,32,41	19		13,848	3.62	501						
1193930 JOHEGA BURKE LOCHINVAR.....		3	11	1-31	15	3.9	13,692	3.46	474	**	29	+122	-.02	+1	+5
11-16-52 859946 2964377 5-73					5		13,151	3.55	467						
1193934 WALO-O-MAR TWENTY GRAND BOY...*	33-03	108	2	21-21,23,	125	3.1	14,121	3.52	497	**	88	+633	-.07	+12	+29
C7-27-52 905000 2419928 5-73				31,32,35	15		13,291	3.61	480						
1194694 INKA ROBINHOOD SUSSEX GOVERNOR*	55-01	20	16	2-52,55	151	2.8	15,108	3.67	554	17	77	-192	+.03	-3	-8
10-23-52 1033250 2953910 1-73					35		15,467	3.64	563						
1194954 SCHUTZHOLM ROAMER OLIVER.....*		21	2	11-23,32,	28	2.6	12,424	3.74	465	**	63	-907	+.05	-26	-49
12-12-52 859213 2577913 5-73				34,35,43	19		13,810	3.67	507						
1196261 PABST RAVEN REWAYNE.....*		156	1	20-13,16,	179	1.9	13,676	3.49	477	**	91	-404	-.10	-28	-35
12-23-52 909839 2669796 5-73				21,22,23	21		14,090	3.61	508						
1197531 CHERRYBOLD POSCH ZENITH.....*	35-03	22	3	3-33,35,	38	3.6	13,653	3.59	490	5	68	-80	-.02	-6	-7
C7-04-52 923318 2833286 5-73				41	13		13,704	3.64	499						
1197766 OSBORNDALE SIR FRANCIS ROYAL..*		1	26	1-14	26	3.7	11,868	3.55	421	**	28	-226	+.01	-7	-13
C3-10-52 1025007 3212448 5-73					10		12,480	3.53	441						
1199077 ODN AUGUR AMITY OAUNTLESS TIOY*		21	3	7-11,16,	41	3.5	17,811	3.69	657	6	69	+428	+.04	+21	+30
10-28-52 992522 3568899 5-73				21,31,35	21		17,504	3.64	638						
1199465 YOKOHL SCHUTMASTER.....	93-10	8	3	1-93	15	1.4	16,777	3.74	627	**	40	+350	+.06	+21	+28
01-01-53 879145 3009001 5-73					39		16,075	3.62	582						
1203146 REGAL LEADER BLUECREST.....*		3	11	1-23	15	4.1	14,153	3.38	478	**	31	+201	-.07	-3	+4
C3-01-53 931195 2230400 5-73					9		13,410	3.62	486						
1204108 ARJAY GONZEL BURKE LAD-TWIN...	35-75	717	5	38-13,21,	1,297	2.6	13,737	3.55	486	13	98	-734	-.05	-33	-49
C1-02-53 909945 2738336 9-72				23,32,33	34		14,462	3.60	521						
1204247 HICKORY CREEK CUPID.....*		61	1	7-21,22,	72	2.2	12,692	3.57	453	**	81	-787	.00	-28	-47
02-04-53 1111083 2733806 5-73				23,31,34	20		13,584	3.57	485						
1204842 LWALK JO BURKE DICK.....*		5	8	1-93	20	2.0	14,269	3.74	533	**	37	-358	+.03	-9	-18
C5-19-52 915811 3096118 5-73					51		15,327	3.68	564						
1205698 NOWISCO TONY.....		12	6	2-35,41	37	3.8	14,080	3.76	530	**	62	-55	+.01	-1	-2
C1-27-53 1085852 2031797 5-73					27		14,146	3.77	534						
1206916 H M H LA DNA BURKE.....		2	17	1-48	19	2.7	11,803	3.48	411	**	28	-241	+.01	-7	-13
12-29-52 1125373 1779443 5-73					19		12,479	3.46	432						
1210066 IDEAL BURKE CHIEFTAIN.....		5	17	3-47,48,	39	3.3	12,142	3.74	454	**	44	-261	+.05	-2	-10
04-23-50 1013415 2516347 5-73				51	8		12,550	3.62	454						
1212343 BURRILANE CRUSADER MADCAP.....	93-05	72	6	7-82,87,	190	2.4	15,146	3.67	556	6	88	-123	+.09	+9	+4
C2-18-53 957706 2308553 5-73				91,92,93	81		15,387	3.57	549						
1213512 HEDGE HARMONIOUS MILORO.....*		9	6	3-16,21,	18	2.6	14,435	3.99	576	11	40	-326	+.08	0	-10
C6-02-53 1086326 3134680 5-73				22	17		15,340	3.79	582						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HD	STATES NO- WITH MOST DAUS	...DAUGHTERS AND HEROMATES... DAUS	REC/DAU HM/DAU	MILK HEROMATE	% MILK	FAT	% FAT	IST REPT INC	%	PREDICTED DIFFERENCES MILK	%	FAT	$$
1214178 MARSHLINE RAVEN RANGER.....*		127	1	13-13,16,	133	2.2	13,016	3.57	465	**	89	-1,011	-.03	-40	-63
01-22-53 939839 2368844 5-73				21,22,23	19		14,121	3.61	510						
1214602 CARNATION PROGRESSOR VICTOR...*		9	77	4-48,71,	94	3.7	13,015	3.65	475	**	37	-244	+.01	-7	-13
C5-07-53 828292 3402220 5-73				73,74	41		13,609	3.63	494						
1215144 TIOY BJRKE CYCLONE CRICKET....*	23-11	453	4	6-16,21,	812	2.3	14,418	3.66	528	13	98	-77	-.01	-4	-6
C1-03-53 1104364 3210736 9-72				22,23,43	19		14,510	3.69	535						
1215446 PABST JEWEL.....	72-01	33	4	4-23,51,	77	3.0	13,941	3.39	472	**	79	-101	.00	-3	-6
09-25-53 915940 2870459 5-73				65,72	18		14,034	3.37	473						
1216082 PAY LINE POLYTECHNIC DICTATOR.*		7	13	3-35,42,	31	3.0	14,608	3.65	533	11	44	+337	+.01	+14	+22
C2-13-53 986534 3307440 5-73				47	33		13,778	3.62	499						
1219093 SHIAWANA FAITHFUL.....*		3	8	1-31	13	2.9	14,521	3.66	531	**	29	0	+.01	+2	+2
10-15-53 1087974 3407116 5-73					10		14,535	3.62	526						
1220447 HICKORY CREEK FASHION-TWIN....*		15	8	5-33,47,	31	3.2	12,343	3.45	426	**	52	-546	-.05	-27	-39
10-15-53 949159 2947828 5-73				52,64,74	11		13,290	3.57	475						
1222089 CARNATION PROFESSOR HUBBY.....*		6	71	1-43	82	3.7	11,594	3.61	419	10	35	-249	+.01	-8	-14
10-23-53 1054493 2893017 5-73					40		12,085	3.61	436						
1223375 B O I SOVGOVOO JULIAN.....	91-01	62	1	4-55,81,	75	2.8	13,360	3.73	498	9	83	-827	+.12	-14	-37
09-17-53 977110 2933694 1-73				82,91	18		14,358	3.59	516						
1224259 ELMVALE CHIEFTAIN.....*		20	60	1-21	132	2.8	15,640	3.96	619	13	48	-348	+.16	+10	-2
01-09-54 1178025 3076211 5-73					17		16,583	3.67	608						
1224894 BURRILANE CHIEFTAIN.....	93-05	57	5	6-82,86,	164	2.5	15,456	3.59	555	18	87	-318	+.05	-5	-14
C8-22-53 1133486 2090894 5-73				91,92,93	91		15,983	3.55	567						
1226332 NORTH CAROLINA PROSPECT EO....*	55-01	29	12	1-55	133	2.4	14,845	3.66	543	30	77	-210	+.07	+2	-5
C1-08-54 813911 2615548 1-73					30		15,200	3.57	543						
1226549 CAPE SPRINGS POSCH RAG VICTOR.		10	3	3-82,91,	20	1.7	14,499	4.01	582	**	46	-12	+.13	+18	+14
C9-01-52 1049733 2699688 5-73				92	13		14,541	3.76	547						
1227598 NACHES EMANCIPATOR.....*		6	7	2-87,92	21	2.9	15,918	3.51	559	**	44	+329	.00	+12	+20
10-05-53 1126534 2808941 5-73					13		15,258	3.49	532						
1227945 STOOKEYHOLM DICTATOR PRINCE...*		7	2	2-32,34	13	3.2	13,613	3.56	485	0	44	-262	-.03	-14	-19
C1-04-54 943293 3471967 5-73					9		14,195	3.66	519						
1229162 BRIGEEN TIOY LAD.....*	12-03	394	7	8-11,12,	1,263	3.0	13,741	3.91	537	10	98	-278	+.18	+15	+4
03-22-54 972500 3018101 1-73				13,14,16	16		13,985	3.73	522						
1229575 CASH-MAR T M SUNSET MODEL.....*		13	2	3-31,32,	17	1.8	12,470	3.85	480	**	49	-915	+.13	-15	-40
10-15-53 1028260 2524711 5-73				34	12		14,337	3.56	511						
1229660 ST CROIXCO OE KOL ECHO.....		18	32	5-33,35,	142	2.5	14,928	3.56	531	13	63	+613	-.02	+19	+34
01-24-54 1171453 3285029 5-73				41,45,48	20		13,935	3.58	498						
1230045 POESTENKILL BURKE ROCK RIVER..*		4	25	2-13,21	34	3.5	15,244	3.61	550	15	35	+142	-.01	+3	+7
C9-29-53 1234163 3110976 5-73					14		14,884	3.65	543						
1230591 HEDGE ACRES SARDONYX.....*		4	16	2-12,14	25	2.8	17,471	3.60	629	15	34	+99	-.04	-2	+1
05-11-54 859510 3258270 5-73					16		17,489	3.72	650						
1231065 WIS BURKE CHIEF IDEAL.....	41-25	34	3	2-42,47	75	3.3	13,340	3.53	471	14	80	+50	-.03	-2	0
C4-27-54 1180791 3465727 5-73					16		13,154	3.57	470						
1231330 BUTTERFLY LOCHINVAR GABLE-TWIN*		9	34	1-23	65	4.5	13,672	3.80	519	3	45	-45	+.03	+3	+1
C6-08-54 944219 2839412 5-73					13		13,706	3.74	512						
1231982 HODOS CHERRY HILL CHARLO.....	16-04	668	8	10-11,12,	1,978	3.3	14,922	3.67	548	12	99	+305	-.02	+8	+16
C4-20-54 1017797 2617563 1-73				13,14,16	24		14,637	3.70	542						
1232453 B O I SOGOCH ROY.....*	12-03	103	2	3-12,13,	162	3.2	13,268	3.79	503	4	90	-349	.00	-12	-20
C1-13-54 977110 2856959 5-73				14	14		13,573	3.81	517						
1234490 PATHWAY IDEAL KING.....*		14	72	6-33,35,	109	3.3	14,281	3.68	525	3	41	-177	.00	-7	-11
C4-23-54 1140346 3304797 5-73				41,42,58	26		14,756	3.71	548						
1234506 QUIN LYNN TRIUNE PRINCE.....	48-01	534	10	32-21,48,	2,161	2.6	14,853	3.43	510	12	98	+544	-.14	-1	+16
C2-23-54 1053084 2706208 5-73				55,73,93	24		14,290	3.58	511						
1234507 QUIN LYNN MILKMAN BUDDIE-TWIN.		5	21	2-48,57	28	2.8	13,909	3.25	452	18	33	+137	-.05	-2	+3
C4-04-54 1188544 2963452 5-73					20		13,394	3.40	456						
1234873 GLENAFTON JUBILEE.....*		29	4	7-12,13,	57	2.5	12,760	3.78	482	**	72	-523	+.05	-12	-26
C7-02-53 010137532 010713803 5-73				14,15,16	11		13,388	3.72	498						
1235750 PHILHAVEN JO VALE PRINCE.....	42-08	85	7	4-33,42,	184	3.0	13,101	3.49	457	13	87	+4	-.07	-10	-8
C3-08-54 1007357 2691858 5-73				47,73	18		12,952	3.56	464						
1235822 ATBITH TY VIC KING MONCADER...	92-01	192	8	11-13,21,	664	2.9	14,857	3.64	541	4	96	+300	+.05	+18	+24
01-31-54 923749 2790993 9-72				72,91,92	16		14,560	3.59	523						
1235977 SKOKIE GOLD STYLIST.....		7	39	1-61	84	2.6	13,946	3.77	526	11	46	+333	+.03	+17	+24
C4-03-54 1199324 2906034 5-73					27		13,098	3.70	485						
1236721 ZIMMERMAN HOMESTEAD ROSTAR....	93-02	43	29	3-86,91,	219	1.9	17,376	3.56	618	19	73	+946	-.01	+33	+56
C5-26-53 1156775 3049980 5-73				93	165		16,261	3.56	579						
1236789 ELMER BROOK ARISTOCRAT.....	35-03	494	28	32-21,35,	2,629	2.2	16,271	3.68	599	9	97	+840	.00	+30	+50
C3-09-54 903212 2665113 5-73				41,48,93	67		15,519	3.69	573						
1237C51 TERRACE FARM ADBURKE SENSATION*		7	2	5-21,23,	10	3.3	14,125	3.52	497	0	40	+155	-.04	0	+5
C8-28-53 1111073 2603093 5-73				34,41,93	13		13,664	3.64	498						
1237269 WIS HEADLIGHT.....*	35-01	21	13	4-21,33,	66	3.1	14,482	3.49	506	6	62	+261	-.07	-1	+7
C3-10-54 1192327 3531155 5-73				35,74	11		14,025	3.62	508						
1237822 DIAMOND S SIR TRIUNE CCAA VAR.*		6	14	1-93	23	2.7	16,395	3.57	586	0	35	+88	-.01	+2	+4
C1-23-54 879145 3327014 5-73					124		16,337	3.59	586						
1238111 ROMONARCH ROCKWOOD BEULAH PAL.*		5	40	2-45,46	54	2.8	11,631	3.42	398	6	36	-196	-.02	-10	-14
C9-19-51 010142405 010761986 5-73					24		11,930	3.50	417						
1239069 EILLOC SOVEREIGN MILESTONE....		9	37	8-34,41,	75	3.7	14,164	3.66	518	7	47	-151	+.08	+6	0
C2-05-54 010214469 3474047 5-73				47,48,86	31		14,502	3.48	504						
1239242 SEVENS BURKE SKYLARK.....*	35-75	1,793	14	43-21,23,	5,332	2.5	15,714	3.58	562	9	99	+396	-.02	+11	+21
C7-02-54 1001822 3092513 1-73				55,85,93	58		15,417	3.59	554						
1239279 ELM-BECCA LADYSMAN.....*	35-05	119	5	9-23,33,	197	3.0	12,781	3.71	474	14	90	-1,053	+.04	-33	-59
C8-13-54 977110 3232614 5-73				35,41,42	15		13,910	3.67	511						
1239464 WEHRMANA SYPSIE BILL.....	42-02	92	2	5-35,41,	128	3.2	13,728	3.67	504	10	89	+349	+.06	+21	+28
C9-13-54 987497 3858133 5-73				42,43,73	11		13,219	3.60	476						
1239480 CULVER LIEU DICTATOR LEADER...*	32-02	31	35	4-32,33,	150	3.1	15,387	3.78	582	7	64	+289	+.04	+17	+23
03-25-54 1145788 3099707 5-73				55,57	19		14,993	3.73	559						

REGISTRATION NUMBER / NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS	REC/DAU HERDMATE	MILK HERDMATE	%	FAT %	% FAT INC	1ST LACT %	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1239739 ELMER BROOK HOMESTEAD DICTATOR*	35-05	40	2	5-33,35,	61	3.2	12,227	3.57	436	7	78	-976	-.03	-39	-62
C7-10-54 1119383 3342193 5-73				41,72,74	16		13,376	3.62	484						
1239897 HICKORY CREEK FOBES CRESCENT..*		8	19	2-55,57	33	4.2	11,912	3.56	424	11	40	-191	.00	-7	-12
04-23-54 949159 2733818 5-73					21		12,169	3.57	435						
1240212 CHRISTY HOMESTEAD FOREBEARER..	35-02	69	1	2-34,35	80	2.8	12,728	3.45	439	**	84	-431	-.11	-31	-38
C5-21-54 1001768 2823119 5-73					13		13,116	3.60	472						
1240464 PAGANDK BETTY ADMIRAL.....*		11	6	4-33,42,	27	2.7	12,647	3.43	434	5	52	-216	-.07	-18	-21
11-04-54 1177575 3324439 5-73				43,73	14		12,914	3.61	466						
1240539 SKOKIE CREATION ROYALIST.....	33-03	23	3	14-11,21,	35	3.5	15,056	3.70	557	17	66	+553	-.03	+15	+29
08-25-54 1126982 2731005 5-73				33,41,48	20		14,201	3.77	536						
1240979 WEARY RIVER HIGH BOY JOSE.....		8	17	1-93	57	2.5	16,662	3.66	610	**	52	-92	+.07	+7	+3
06-20-54 1023061 2811025 5-73					71		17,114	3.54	605						
1241458 GLENAFTON MARCELLUS-TWIN.....		9	6	4-13,14,	26	4.3	15,183	3.60	547	**	53	+430	.00	+16	+26
04-10-54 010239301 310634615 5-73				21,52	16		14,364	3.60	517						
1241799 MO POND VIEW OVATION VAL.....		7	7	2-50,51	23	2.8	12,621	3.72	469	**	45	-121	+.01	-3	-6
10-03-54 978751 2899952 5-73					21		12,725	3.72	474						
1241918 GRAY VIEW BURKE PROMINENT.....	63-03	20	5	2-61,63	58	2.5	12,214	3.59	439	**	71	-701	+.03	-21	-38
04-27-54 895911 2396014 5-73					14		13,069	3.55	464						
1242229 ARLINDA ELSIE MARK.....	91-13	11	6	1-93	44	2.3	15,940	3.49	556	**	62	-343	-.02	-15	-23
09-04-54 1150470 2696982 5-73					100		16,727	3.52	588						
1242259 TABUR REFLECTION SUPREME.....*		44	12	9-43,48,	126	2.9	13,630	3.67	500	4	78	-584	+.05	-14	-29
C1-04-54 1216731 3384148 5-73				53,73,86	27		14,384	3.62	520						
1245673 COUNCIL ROCK ROCKET DUKE.....*		1	59	1-21	59	4.0	12,975	3.70	480	0	32	-40	+.05	+6	+4
10-24-54 1207983 3458925 5-73					24		12,961	3.51	455						
1245972 TOPS COMMANDER PRIDE SKYROCKET*		5	6	3-15,16,	14	2.1	15,019	3.64	546	0	33	-187	.00	-7	-11
C3-14-54 1095322 2406208 5-73				41	12		15,714	3.65	574						
1246729 JONDALE RAVEN.....	41-25	689	5	10-35,41,	1,600	2.6	12,670	3.87	490	14	99	-948	+.20	-7	-34
02-09-54 939839 2473024 1-73				42,43,47	14		13,549	3.66	496						
1251825 HOWE HAVEN HOMESTEAD DUKE.....*		22	21	4-13,14,	79	2.8	13,231	3.89	513	26	57	-246	+.06	0	-7
12-11-54 1038118 2894298 5-73				16,21	15		13,551	3.78	512						
1252979 TRU-POL MONTY PABST ORMS3Y....		3	59	3-31,33,	63	4.1	10,753	3.26	351	13	33	-165	-.02	-7	-9
C1-03-55 1085870 3466078 5-73				41	8		10,711	3.35	359						
1253319 BRIGEEN GOLDMASTER.....		4	8	2-13,14	14	3.4	13,926	3.88	541	15	33	+7	+.07	+10	+8
11-26-54 1170426 3305511 5-73					24		13,852	3.68	510						
1253588 JNH RESOUND.....		36	8	8-12,13,	96	3.0	15,386	3.50	539	11	77	+157	-.07	-5	+1
11-04-54 1048677 2260016 5-73				14,21,22	19		15,269	3.60	550						
1254782 MODEL TRIANGLE SOVEREIGN CHAMP		2	11	2-43,91	13	2.2	13,151	3.41	449	**	25	-10	-.02	-3	-3
C3-10-55 1082308 3316958 5-73					7		13,064	3.51	458						
1256069 STOFFELL STYLEMASTER GAY BOY..*		3	7	2-45,91	13	2.7	11,796	3.45	407	0	32	-106	-.02	-6	-8
C1-21-55 1075871 3620876 5-73					5		11,884	3.53	419						
1256233 FRASEA NETHERLAND SPITFIRE....	93-10	37	6	1-93	123	2.2	15,942	3.51	560	**	82	-102	-.05	-11	-12
11-23-53 010153547 310543922 5-73					39		16,255	3.57	581						
1256777 LAVACRES DUSTY JO MARS.....	93-10	21	11	2-42,93	94	2.1	16,294	3.76	612	**	70	+145	+.08	+17	+18
05-21-55 1117035 2581816 5-73					39		16,276	3.66	595						
1256872 WARNER BROOK WATCHMAN KARL....*		1	14	1-52	14	3.0	11,535	3.79	437	**	25	-71	-.02	-5	-6
C1-10-55 1155111 3359588 9-72					13		11,538	3.93	453						
1257081 MEL-ETTA JOHANNA PABST.....		13	8	1-22	30	3.3	14,861	3.70	550	**	53	+23	-.01	0	+1
10-15-54 975137 2727563 5-73					29		14,864	3.73	555						
1258067 WINTERTHUR TRANSMIT FOBES KID.*		2	13	1-50	16	3.1	15,429	3.73	575	27	30	-96	+.05	+3	0
01-11-55 1059819 2175792 5-73					26		15,910	3.59	571						
1258637 FAYR-LICK ORMS8Y LOCHINVAR....*		4	18	4-31,41,	37	3.3	13,279	3.66	486	**	43	-382	+.06	-6	-16
09-10-54 1171509 2589623 9-72				64,93	15		14,139	3.54	500						
1258763 HALLROSE HAZEL SECURITY.....		7	10	5-35,41,	20	2.6	11,773	3.69	435	18	36	-455	+.06	-8	-20
C5-23-55 1238412 3153498 5-73				48,91,92	14		12,908	3.51	453						
1259067 DALTON MADCAP SENATOR.....		9	1	7-12,34,	10	2.0	14,036	3.73	522	29	37	-59	+.05	+5	+2
11-23-53 1076825 2823155 5-73				41,42,55	32		14,141	3.59	508						
1259068 DE KOL GREENLEAF OUTCHLAND....		12	1	8-21,22,	15	2.3	15,496	3.58	554	23	48	-50	+.01	0	-2
C5-27-52 1102909 3182205 5-73				35,41,85	86		15,736	3.57	561						
1259096 FAIRBRAE SOVEREIGN CANDYMAN...		11	1	8-23,32,	14	2.7	14,372	3.65	547	15	47	+24	-.01	-1	0
11-10-54 1081684 3270640 5-73				41,55,57	19		14,980	3.70	555						
1259097 COCHRAN QUEEN WALLIE.....*		4	23	2-21,22	54	3.8	15,382	3.57	549	6	48	+375	-.07	+3	+14
C1-22-55 1190632 3850895 5-73					14		14,632	3.73	546						
1259098 BALLARD FARM COMET.....*		1	42	1-23	42	3.6	13,153	3.74	492	13	30	-46	+.01	0	-1
C3-17-55 1038489 2947648 5-73					13		13,187	3.75	494						
1261269 MANFOELL PATHFINDER POSCH.....		6	3	3-41,42,	14	4.0	13,531	3.67	497	11	45	-130	+.01	-3	-6
C4-05-55 1206547 2892881 1-73				45	15		13,758	3.66	504						
1261368 HAROEN FARMS DUKE EDEN.....*		99	1	18-13,16,	111	2.2	14,167	3.49	494	**	87	-19	-.09	-13	-11
C4-05-55 1112211 3385909 5-73				21,22,23	27		14,167	3.59	509						
1261493 WIS DARK MAGIC.....		2	45	2-86,92	47	2.5	17,039	3.48	592	**	29	+244	-.01	+7	+13
C7-29-55 933122 2577060 5-73					61		16,370	3.51	574						
1261635 SEQUOIA VAR PRINCE.....		3	12	2-35,93	16	2.2	13,388	3.48	466	**	28	-186	-.02	-10	-14
11-20-54 879145 2935818 5-73					36		14,025	3.60	505						
1263789 MAPOVAL ORMS8Y DISTANT STARS..		2	10	2-21,91	13	2.7	13,483	3.58	483	**	28	-326	+.01	-10	-18
C1-08-55 1201104 2590953 5-73					6		14,674	3.56	523						
1263917 COCHRAN GENERAL CLIFF.....*		6	2	4-21,22,	10	2.5	12,544	3.59	450	0	37	-541	+.01	-18	-31
C6-27-55 1215422 3850898 1-73				47,91	14		13,985	3.57	499						
1264726 GLENREST ADACY.....	21-01	148	1	3-11,13,	166	3.4	14,771	3.62	535	10	92	+150	+.06	+14	+16
C8-31-55 846425 3130880 5-73				21	19		14,632	3.55	520						
1264764 ARDALA SIR RAG APPLE POFF.....*	55-01	9	8	1-55	41	3.1	14,997	3.81	572	17	59	-453	+.12	0	-14
10-22-55 923749 2356631 1-73					43		15,923	3.64	579						
1266350 E M C RELIABLE SERBEN.....		1	23	1-93	23	2.1	20,388	3.46	705	**	26	+462	-.04	+11	+23
11-03-55 1130057 2726737 5-73					78		19,104	3.55	678						
1266352 PACIFIC SLOPE D B KEN.....		1	22	1-86	22	3.7	15,107	3.53	533	**	28	+179	-.03	+2	+7
01-09-55 1032011 2936419 5-73					24		14,480	3.63	526						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS	REC/DAU	MILK HERDMATE	% MILK	% FAT	LST FAT	% INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1266861 POTHDALE PABST SIR RDBURKE....*		4	12	1-34	20	2.3	14,826	3.31	490	**	33	+29	-.04	-5	-3
09-14-55 1024453 3015387 5-73					11		14,777	3.42	506						
1267250 LDS RD8LES EMPEROR LYDNS LAD..	93-03	22	25	4-86,87,	161	2.7	16,613	3.35	557	**	71	+461	-.21	-14	+2
09-28-55 1057293 2695422 5-73				91,93	122		16,138	3.62	584						
1267261 MEDSKER SUPREME SIM.....		26	2	1-34	39	1.9	15,280	3.59	549	14	57	+304	-.01	+10	+17
07-24-55 1167612 3119460 5-73					16		14,873	3.60	536						
1267322 BIRDLAWN LEADER AMBASSADDR....*		4	24	2-14,35	30	5.9	13,415	3.48	467	0	35	-15	.00	0	0
10-14-55 915940 2467453 5-73					17		13,358	3.47	464						
1267764 ORMSBY DOUBLE FOBES.....*	35-02	446	3	12-22,33,	825	3.0	14,486	3.68	533	12	98	+257	+.04	+15	+20
05-19-55 1210078 3063947 9-72				34,35,42	15		14,204	3.64	517						
1267804 SPRUCELEIGH FOND HOPE COLONEL.*		16	7	4-21,23,	36	3.3	14,153	3.79	536	6	57	+142	+.05	+12	+14
07-06-54 010212300 010672814 5-73				51,52	27		13,851	3.71	514						
1268087 S V F SOVEREIGN DUPLICATDR....	23-11	748	9	16-11,21,	2,212	2.4	14,402	3.74	538	11	99	-76	+.04	+3	0
10-28-55 1007680 3043874 1-73				22,23,41	25		14,490	3.71	537						
1268276 OA-CD-TDN DELLA LAUXMONT.....*		6	9	2-42,46	17	3.1	13,199	4.07	537	**	36	-304	+.08	0	-9
12-14-55 1188542 3804456 5-73					8		14,015	3.87	543						
1268533 SIR CRESCENT BEAUTY DA-RANGER.*		6	6	3-35,42,	21	2.1	12,051	3.70	446	**	43	-455	+.05	-9	-21
01-10-56 1213710 3380821 5-73				43	12		12,974	3.57	463						
1268762 CHAMPION ARAB PRDSPECTDR.....*		7	27	1-21	83	3.7	15,486	3.76	583	7	56	+80	+.08	+14	+14
12-21-55 1190632 3183249 5-73					29		15,449	3.64	562						
1269560 ZELDENRUST MASTER CONCORDIA...*		2	20	2-31,32	22	3.4	12,407	3.53	438	**	29	-375	+.03	-9	-19
01-10-56 1204515 2394172 5-73					14		13,641	3.42	466						
1270217 PABST CYCLONE ROYAL BET.....*		3	29	1-35	45	2.9	14,548	3.55	517	12	38	+257	-.06	+1	+9
11-03-55 1215958 3711476 5-73					53		13,817	3.73	515						
1270685 MEISEGEIER TYPEBLAZER.....*	35-07	39	7	10-35,41,	98	3.5	14,361	3.86	555	11	79	+200	+.12	+24	+26
02-18-55 1157409 2480285 5-73				48,56,71	15		14,075	3.73	525						
1270830 SHANGHIGH DOUBLE EXEC TOPPER..	31-01	58	3	4-31,34,	89	2.8	14,202	3.60	511	12	83	-209	-.02	-10	-15
07-02-55 1090258 3461080 5-73				74,84	18		14,452	3.63	525						
1271017 T-BAR CARNATION PALADIN.....		9	1	2-22,23	11	1.7	15,763	3.62	570	0	39	+24	-.02	-2	-1
04-17-54 1187843 3077474 5-73					19		15,847	3.69	584						
1271019 MAVIEW OUNLDGGIN DIRECT.....*	23-13	1,082	7	9-21,22,	3,557	2.8	14,607	3.68	538	9	99	+178	-.04	+1	+6
12-21-55 972500 2978190 1-73				23,41,93	20		14,431	3.74	539						
1271814 MENDOCINO MEGO FANCY STAR.....		1	28	1-93	28	1.6	15,287	3.36	513	**	25	-64	-.02	-5	-6
11-15-55 1201823 2869158 5-73					3		15,677	3.44	540						
1271862 SILVIS FARM TRITOMIA LEADER...*		9	13	1-23	41	3.9	13,591	3.60	489	23	52	-245	-.01	-10	-16
12-19-55 915940 2902149 5-73					18		14,033	3.63	509						
1273690 RDSAFE SHAMRDCK SULTAN.....*		23	7	6-11,13,	57	2.8	14,579	3.61	527	11	68	+175	+.01	+8	+12
08-06-55 010198998 010694211 5-73				14,21,31	23		14,313	3.60	515						
1273720 WIS SUPREME SYMBOL.....*		3	43	2-35,42	47	3.6	12,903	3.58	462	15	32	-488	-.02	-20	-31
01-28-56 1189593 3531155 5-73					20		14,458	3.66	529						
1274153 RAMACD BURKE HOMESTEAD KING...*	91-11	158	4	21-32,34,	279	3.0	13,616	3.53	480	12	93	-413	-.08	-25	-34
01-11-56 112DD27 2580406 5-73				35,41,42	17		14,023	3.62	508						
1274657 HAZEL BUSH CRESCENT REVLON....	41-25	48	31	5-35,41,	131	2.7	14,449	3.60	520	9	62	+222	-.08	-3	+4
10-10-55 949159 3329393 5-73				42,47,48	16		14,057	3.75	527						
1274685 SKOKIE CREATION VICTOR.....*	93-02	33	33	6-32,33,	201	2.8	15,566	3.71	578	9	71	-391	+.11	+2	-10
11-30-55 1126982 3785611 5-73				85,86,93	98		16,312	3.56	581						
1275040 BURKE B F BUBBLER GYPSIE.....*		50	1	13-21,23,	59	2.3	13,735	3.56	489	**	78	-65	-.02	-5	-6
08-23-55 1202814 3342774 5-73				31,34,52	38		13,756	3.59	494						
1275142 GREENWOOD MASTER PRINCE.....*		2	54	1-23	56	2.8	13,040	3.75	489	14	30	-341	+.03	-8	-17
01-03-56 1125174 2489390 5-73					7		14,143	3.66	517						
1276654 CHAMBRIC A B C.....*	33-03	1,291	4	45-21,23,	2,530	2.6	15,190	3.58	544	11	99	+326	-.02	+9	+17
01-20-56 010198998 3205581 1-73				31,35,73	23		14,913	3.60	537						
1277314 PABST SIR LEADER RAG APPLE....*		185	1	20-13,16,	217	2.2	13,183	3.82	504	**	93	-914	+.19	-7	-33
03-11-56 915940 2365506 5-73				21,22,23	25		14,144	3.62	512						
1277415 THONYMA GOLD MEDAL.....*		7	8	2-21,23	27	4.0	13,698	3.42	469	0	49	-86	-.07	-13	-13
11-05-55 1130632 3785247 5-73					24		13,817	3.58	494						
1278500 HARTWIG DDSTIE GUIDE.....*		1	16	1-35	16	3.9	12,528	3.60	451	**	26	+34	+.02	+4	+4
10-02-55 1206076 3162740 5-73					10		12,177	3.49	425						
1278644 SIR SEELEY ADANTHA GENE.....*	21-10	2,699	6	18-11,13,	8,723	2.7	16,177	3.44	557	12	99	+848	-.13	+11	+35
03-27-56 846425 3304894 5-73				16,21,23	23		15,430	3.56	549						
1278703 B O I PABAUGD ACTOR.....	96-01	7	12	1-96	44	2.2	14,081	3.52	495	9	52	-208	.00	-8	-13
10-22-55 975138 3258875 5-73					6		14,495	3.53	512						
1279204 AGASSIZ LANCE ROMEO ALERT.....*		6	8	2-91,92	21	2.8	14,279	3.42	488	**	42	-715	.00	-26	-43
02-14-56 010213439 010769681 5-73					14		16,170	3.43	555						
1279292 CASH-MAR JERRY PIEBE.....*		3	20	1-33	28	2.9	15,075	3.54	533	7	35	-12	-.02	-3	-3
09-12-55 1138441 3725517 5-73					15		15,192	3.61	548						
1279384 BUTLERVIEW RDBURKE DUKE.....*		4	12	1-33	17	3.2	13,077	3.54	463	0	32	-466	-.01	-18	-29
10-06-55 1024453 3372513 5-73					11		14,552	3.60	524						
1279776 PAGANDK PATRIDT.....*		4	5	2-43,46	12	4.5	14,184	3.48	493	14	37	-187	-.02	-9	-13
06-29-56 1219042 3441853 5-73					26		14,731	3.53	520						
1280018 SKOKIE INCA PERFECTION.....*	63-02	36	8	4-35,63,	94	2.4	13,511	3.49	472	11	75	-442	-.05	-23	-32
05-18-56 1207280 3032112 5-73				73,84	12		14,071	3.57	502						
1280020 TREUAH INVINCIBLE SPARKEE.....*	33-03	91	1	21-21,23,	96	3.2	13,237	3.72	492	14	87	-459	+.09	-4	-17
05-13-55 1056882 2373204 5-73				33,35,41	15		13,697	3.61	495						
1280222 HARDEN FARMS AAGGIE PRINCE....*		6	54	1-21	121	3.2	15,391	3.85	592	12	50	-185	+.05	+1	-5
12-26-55 1222989 2442767 5-73					75		15,919	3.76	598						
1280496 ARESKU ROSEPA COUNT.....		4	13	1-52	49	4.2	12,410	3.47	431	0	56	-200	-.03	-11	-15
09-26-55 010242457 010629496 5-73					24		12,585	3.53	444						
1280892 SUSSEX GOVERNOR MAJESTIC.....*		11	15	3-50,51,	32	2.8	13,351	3.72	496	26	41	-4	-.04	-6	-5
02-05-56 849689 2953914 5-73				91	12		13,250	3.86	512						
1281027 CDN-OEL VOYAGEUR M.....		28	2	8-31,32,	44	1.8	13,673	3.66	501	7	69	-543	+.03	-16	-30
07-04-55 010197964 3947036 5-73				34,43,56	14		14,470	3.64	526						
1281050 AL-LOU-JAN FOOTPRINT IDEAL....	16-04	360	5	9-12,13,	811	3.3	14,744	3.65	538	8	97	+339	-.06	+4	+14
11-21-55 1013415 3532822 5-73				14,15,16	23		14,396	3.72	536						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS	REC/DAU HM/DAU	HERDMATE MILK	% MILK	FAT %	FAT	% 1ST LNC	% REPT	PREDICTED DIFFERENCES MILK	%	FAT	$$
1281233 JN4 DRILLMASTER.....*		8	9	2-35,42	36	3.2	12,799	3.49	447	5	54	-5	-.05	-8	-7
C4-24-56 1181068 33618C4 5-73					12		12,634	3.63	458						
1281449 MACHOLO PIEBE ROAMER.....		2	18	1-21	2C	2.9	11,278	3.48	392	36	27	-216	+.01	-7	-12
C4-10-56 1185683 2684840 5-73					9		11,823	3.46	409						
1281465 LUXANA IDEAL.....	34-01	115	3	2-32,34	174	2.7	14,C48	3.61	507	15	90	-207	+.03	-3	-9
C3-27-56 1013415 2741613 5-73					22		14,256	3.57	510						
1281628 ELLBANK JULE KING ADMIRAL.....*	61-02	536	9	33-21,31,	1,394	2.4	14,871	3.51	522	12	98	+45	-.07	-9	-6
11-20-55 1139195 3472936 1-73				33,74,35	45		14,873	3.59	534						
1281674 BRADY BURKE ORMSBY.....	48-01	399	10	8-41,43,	1,716	2.8	13,794	3.48	480	13	98	-146	-.07	-15	-17
C3-09-56 1013415 3704891 5-73				48,71,73	18		13,894	3.56	494						
1282185 SKOKIE GLAMOUR BOY.....*	31-07	2,522	10	45-21,31,	9,573	2.3	14,665	3.61	529	12	99	+104	-.03	-1	+2
11-02-55 1038509 38C9891 1-73				33,61,74	25		14,579	3.65	532						
1282334 LOS ROBLES EMPEROR SEGIS BILL.		2	36	1-93	45	2.8	17,068	3.48	594	**	33	+402	-.04	+9	+20
C4-27-56 1057293 2972575 5-73					46		16,007	3.58	573						
1282739 CRETE TIDY CHERRY HI-HOPE.....*	11-01	34	12	3-11,14,	75	2.6	14,315	3.86	552	23	66	-316	+.09	+1	-9
10-07-55 972500 3439830 5-73				21	18		14,838	3.73	554						
1282956 DABLERS CURTISS STAR.....		13	2	6-13,14,	17	2.3	15,658	3.56	557	21	51	+133	+.01	+6	+9
10-20-55 1179575 3603327 5-73				16,21,48	30		15,508	3.54	549						
1283113 MARSHFIELD FLASHY.....		1	24	1-52	24	3.5	12,765	3.82	487	21	28	-114	+.06	+4	0
C7-07-56 1179574 3557956 5-73					23		13,C44	3.59	468						
1283369 NOCKDAIR LEADER PHOEBE.....	91-13	483	12	7-81,82,	2,2D6	2.6	14,624	3.73	546	10	98	-434	+.11	0	-13
C7-24-56 915940 3422191 1-73				91,92,93	22		15,142	3.63	549						
1283541 WIS CYCLONE REGENT.....*	34-01	3	30	2-32,34	34	4.2	14,047	3.59	504	**	33	-72	.00	-2	-4
C8-03-56 1241487 3883455 5-73					20		14,258	3.58	511						
1283617 TIDY BURKE FORTY-NINER.....*	33-03	3,997	6	47-21,23,	9,715	2.3	15,307	3.43	525	12	99	+539	-.17	-6	+11
C7-29-56 1196645 2948519 5-73				33,41,48	23		14,808	3.61	534						
1283950 WHIRLHILL BRUTUS.....		16	62	3-43,71,	155	2.8	14,435	3.74	540	16	51	-111	+.04	+2	-2
C2-05-56 1103074 3514852 5-73				74	30		14,684	3.66	538						
1283971 SARAMAJO PROMISE QUEEN.....*		2	33	2-21,48	35	3.9	15,747	3.52	555	3	31	-31	-.05	-8	-7
C8-04-56 999262 3477436 5-73					19		16,010	3.69	590						
1284716 B O I ADAGDVE ANTON.....	41-01	11	2	1-41	15	2.5	13,639	3.33	461	22	48	+124	-.09	-9	-4
C4-01-56 846425 3166250 5-73					14		13,491	3.54	477						
1284772 HALOANE BILL ORPHA OMAR.....*		3	31	1-42	35	3.9	14,181	3.47	492	**	32	+160	-.03	+1	+6
C7-03-56 957497 3149972 5-73					2C		13,607	3.58	487						
1284782 CLOVER CREST POSCH GEM.....	93-05	139	23	10-82,86,	833	2.2	15,047	3.68	554	14	93	-734	+.16	-4	-26
C1-29-56 1233448 2760779 9-72				91,92,93	69		16,002	3.52	564						
1285675 ROLLINGMEAD RENOWN TOM.....*		6	26	1-32	43	4.2	14,717	3.76	554	6	41	-237	+.05	-2	-9
C5-15-56 1222608 3793112 5-73					13		15,397	3.68	566						
1285709 SPRUCE LAWN HIDEO.....	21-10	1,277	2	11-11,13,	2,097	2.6	15,432	3.51	541	12	99	+325	-.07	+2	+11
C9-02-56 929962 2778214 1-73				14,16,21	22		15,183	3.56	541						
1285951 SHAWS CRETE DUNLOGGIN FAYNE...	35-75	1,439	4	41-13,21,	2,838	2.6	14,546	3.73	543	10	99	-243	+.13	+9	C
C5-14-56 972500 3264850 1-73				23,32,55	26		14,836	3.61	536						
1285969 WIS DYNAMO CRUSADER.....*		3	12	1-35	16	2.7	13,604	3.61	491	21	29	-89	.00	-3	-5
10-06-56 1192327 3111749 5-73					23		13,866	3.63	503						
1286628 KNOLLWOOD CHIEF ANTONIO.....*		4	8	1-21	13	3.1	16,279	3.73	608	**	30	+11	+.01	+2	+2
C8-08-56 991576 3875703 5-73					33		16,449	3.71	611						
1286632 ARCHAMBAULT AD TITUM.....		28	4	10-21,23,	46	3.7	14,902	3.70	552	3	70	+546	+.06	+29	+40
C7-26-56 1244845 3145434 5-73				33,35,64	17		14,087	3.62	510						
1287023 SHAWS CRETE DUNLOGGIN AIM TIDY*	55-01	55	9	2-55,61	163	2.8	14,655	3.68	539	23	84	-430	+.09	-3	-15
C8-10-56 9725DC 3459607 1-73					3C		15,258	3.59	547						
1287786 RUBY ACRES LEADER HEMAN.....*		11	47	6-11,33,	67	4.1	14,385	3.77	542	9	39	-32	+.02	+2	+1
10-22-56 915940 2475701 5-73				35,47,56	2C		14,477	3.73	540						
1287863 MAVIEW DIRECT WALKER.....		7	33	2-12,13	49	3.3	14,620	3.91	571	15	37	-117	+.07	+6	+1
11-02-55 1209370 2863154 5-73					15		14,996	3.73	560						
1287933 MAJR-LIND LOCHINVAR VAMP.....		1	78	1-93	78	3.1	17,006	3.42	581	**	30	-10	-.03	-4	-4
C8-11-56 951535 3206136 5-73					175		17,338	3.49	605						
1288125 SISSON FARMS DOUBLE DEAN.....	55-01	32	23	1-55	244	2.8	16,521	3.51	580	17	80	+499	-.11	+1	+16
10-26-56 1049547 3439839 1-73					33		16,061	3.65	586						
1288510 WIS DYNAMO SUPERIOR.....*		12	30	3-35,42,	54	4.2	15,307	3.91	599	4	44	+362	+.02	+16	+24
10-31-56 1192327 3329574 5-73				43	27		14,489	3.91	567						
1288605 SKOKIE G CREATION CROWN-TWIN..	41-25	183	3	9-35,41,	316	2.2	13,742	3.54	487	18	94	-285	-.03	-15	-21
11-03-56 1126982 3684071 9-72				42,43,47	18		14,008	3.58	502						
1288607 SKOKIE X GOLDEN PRINCE.....*		10	29	2-61,63	76	2.7	13,556	3.78	512	13	50	-650	+.04	-18	-34
10-20-56 1379736 3808042 5-73					27		14,898	3.71	553						
1288936 PABST CYCLONE LEADAN.....		2	9	2-23,34	11	3.7	13,865	3.53	489	D	27	-114	+.04	+2	-2
C8-24-56 1215958 3805958 5-73					8		14,288	3.34	477						
1289453 GRAND RANG RAG APPLE EXCEL....*		18	1	9-21,23,	18	2.1	13,222	3.61	477	**	52	-132	-.01	-6	-9
12-10-55 010248194 010542891 5-73				31,34,52	3C		13,378	3.64	487						
1289479 MAVIEW MALCOLM PILOT.....*		21	8	8-11,12,	69	3.8	14,249	3.78	539	5	72	-266	+.07	+1	-7
11-29-56 1094305 3673591 5-73				14,15,16	36		14,647	3.68	539						
1289532 KEYSTONE MASTER JUBILEE.....	35-75	327	3	36-21,23,	512	2.5	13,989	3.55	497	16	96	-744	-.03	-31	-46
11-08-56 1158575 2887331 5-73				33,43,48	35		14,804	3.59	532						
1289545 WINTERMAR REFLECTION SOVEREIGN*		16	10	6-11,12,	43	3.2	17,402	3.62	630	9	56	+1,039	-.06	+28	+54
11-06-55 010198998 010876310 5-73				13,14,16	18		15,686	3.75	588						
1289585 WEIX BEACON.....*	35-04	174	4	17-14,35,	326	3.6	13,445	3.87	520	6	94	-385	+.22	+17	+2
C8-01-55 1160237 3184976 9-72				41,42,46	14		13,794	3.62	500						
1289588 BRAUNS LEADER.....	93-05	94	31	9-35,82,	535	2.4	15,568	3.69	574	4	87	-788	+.16	-7	-30
11-30-55 915940 3188644 1-73				86,91,93	143		16,712	3.54	591						
1289589 BRAUNS REMER COMET.....	41-01	918	5	10-35,41,	2,517	2.3	14,449	3.61	522	12	99	-2	+.03	+4	+3
C9-29-55 959466 3518653 1-73				42,45,46	16		14,459	3.58	518						
1290181 OSBORNDALE FOBES KNIGHT.....	34-01	386	6	10-34,42,	808	2.2	14,157	3.64	515	13	97	-114	+.03	0	-3
11-12-56 934577 3212451 1-73				63,72,73	20		14,263	3.60	514						
1290182 OSBORNDALE ADMIRAL LUCIFER....	34-01	1,061	10	29-23,32,	5,046	2.2	14,472	3.62	524	17	99	+99	.00	+4	+6
12-20-56 769170 4227925 9-72				34,51,52	17		14,370	3.62	520						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER DF HERDS	EFF DAU /HD	STATES ND- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS	REC/DAU HM/DAU	HERDMATE	MILK	%	FAT	% 1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1290293 HOUCKHOLME MODEL KING.....*	23-05	137	2	5-22,23,	187	3.1		13,309	3.65	486	10	92	-379	-.05	-21	-29
02-05-56 1028260 010632146 5-73				31,51,54	12			13,647	3.73	509						
1290716 HOWACRES HOMESTEAD BRUCE LAD..	21-10	1,348	5	14-11,13,	2,851	1.8		15,295	3.83	586	14	99	0	+.22	+31	+25
10-12-56 1038118 3696576 1-73				14,16,21	24			15,397	3.63	559						
1290726 FRAN-WILL P R ADMIRAL.....*		26	55	4-52,55,	105	4.0		14,161	3.62	512	7	46	+40	.00	+2	+3
11-22-56 1109864 2703929 5-73				56,57	22			14,040	3.61	507						
1290961 SWEET REST WIS BURKE DAUNTLESS*		16	69	3-11,13,	114	4.0		16,284	3.59	585	8	43	+377	-.02	+10	+20
11-20-56 1013415 3229496 5-73				14	27			15,528	3.65	566						
1291238 NORTHMOOR ROBURKE BESS VICTOR.		2	30	2-21,47	32	3.9		12,835	3.51	451	4	31	-346	-.02	-15	-23
11-16-56 1024453 2374365 5-73					20			13,915	3.60	501						
1292014 PRIDE POLO ROCKET QUEEN.....		3	16	1-45	28	2.5		13,851	3.60	499	13	36	-351	.00	-13	-21
09-05-56 1218997 2985740 5-73					14			14,889	3.62	539						
1292880 MOOSEHEART PIONEER.....*	33-03	3,613	7	49-18,00,	8,603	2.5		14,436	3.69	532	13	99	-319	+.07	-1	-10
07-03-56 1024453 2811265 1-73				00,00,00	27			14,798	3.62	536						
1292892 MURFIELD CONQUEROR REX.....		4	6	4-21,47,	11	1.4		14,670	3.53	518	**	26	+220	-.03	+3	+9
01-09-57 1217303 3603076 5-73				92,93	25			13,748	3.67	504						
1292915 BESSIE B F GYPSIE LEADER.....	72-01	130	16	11-13,14,	661	2.4		14,264	3.48	497	9	93	-182	+.02	-4	-9
11-29-55 915940 2937893 9-72				21,65,72	19			14,468	3.46	501						
1292994 GYPSIE IDEAL OELL.....*		13	3	2-41,42	20	2.5		13,378	3.56	476	36	51	-273	+.02	-7	-14
09-10-56 1161997 2544970 5-73					12			13,862	3.52	488						
1293072 FRAN-WILL REGAL GAIL C.....*		1	65	1-55	65	3.0		11,635	3.93	457	5	31	-298	+.05	-4	-12
10-04-56 1109864 2473123 5-73					36			12,419	3.77	468						
1293918 HANK IONIA ORMSBY.....*		3	5	1-34	10	3.2		14,347	3.66	525	0	30	-121	+.03	0	-4
10-13-56 1194865 4153150 5-73					11			14,792	3.55	525						
1294552 UTAG SKYLARK EX JACK.....		7	93	3-83,87,	149	2.0		16,896	3.40	575	**	39	+377	-.04	+8	+18
12-21-56 1239242 3961563 5-73				93	134			16,112	3.47	559						
1295063 CLOVERBROOK BURKE BLEND.....		2	31	2-42,52	33	2.9		12,097	3.51	446	10	30	-335	+.01	-11	-19
11-16-56 1131138 3839003 5-73					8			13,756	3.51	483						
1295523 PINEYHILL SULTAN.....	93-16	177	16	15-23,82,	964	1.7		17,216	3.55	612	9	95	+580	-.01	+19	+33
08-01-56 010198998 3235970 1-73				86,91,93	52			16,848	3.56	600						
1295580 JON-DE LEADER REVEL.....*		7	13	3-35,41,	34	4.3		15,016	3.58	538	4	48	+284	-.03	+6	+14
12-30-56 915940 4013718 5-73				46	18			14,423	3.65	526						
1295607 ORMSBY BURKE MOSE MERCURY.....*	93-05	7	12	3-35,91,	23	3.8		14,102	3.54	499	6	39	+25	-.01	0	+1
01-13-57 1196645 3836385 5-73				93	19			14,000	3.56	499						
1295608 SUNNYSIDE REGAL LUCY.....	33-03	373	3	30-21,23,	585	2.6		13,440	3.56	478	12	97	-554	-.04	-26	-38
08-02-56 901195 3093548 9-72				35,41,52	17			13,971	3.61	505						
1295637 WOODBOURNE INKA SUPREME.....*		113	2	24-21,22,	132	1.9		13,134	3.56	468	**	88	-789	-.03	-33	-51
10-28-56 1007680 3704968 5-73				23,31,34	48			13,990	3.61	505						
1295796 CRESCENT BEAUTY CHEVRON.....*	33-03	105	4	20-21,23,	163	2.5		12,833	3.65	468	16	88	-1,268	+.04	-40	-71
09-28-56 1206641 3398005 9-72				33,35,42	19			14,259	3.60	514						
1296274 PABST CYCLE.....*		1	80	1-86	80	2.6		13,969	3.10	433	3	30	+141	-.04	-1	+3
11-14-56 1215958 2529846 5-73					34			13,394	3.22	431						
1296322 CLYDE HILL ELATION ROSA.....*		6	29	1-43	68	3.3		13,856	3.59	497	7	49	+18	+.01	+2	+2
02-13-57 1257834 3166913 5-73					17			13,756	3.57	491						
1296819 RIVER VALLEY WALLIE SUPREMACY.*		23	22	5-14,16,	81	2.8		16,076	3.71	597	24	57	+201	.00	+7	+12
01-19-56 1190632 3002373 5-73				21,23,57	21			15,871	3.73	592						
1296957 MELLOW GREENOALE PABST.....		6	28	1-41	43	3.2		13,118	3.64	477	26	37	-34	+.01	0	-1
01-15-57 1010660 3834229 5-73					8			13,081	3.62	474						
1297401 SHADY MEADOW SHANGHIGH ORMSBY.*	72-01	82	10	14-31,32,	274	2.3		13,037	3.61	492	12	89	-767	+.03	-24	-43
02-08-57 1090258 3671396 1-73				55,56,72	22			14,517	3.59	521						
1297972 SHIAWANA SIGNET.....*		2	23	2-34,91	25	3.6		15,077	3.42	515	15	30	0	-.01	-2	-2
02-17-57 1217476 3407117 5-73					19			15,154	3.46	525						
1298076 DON AUGUR CARNATION MAOCAP JOL*		5	46	2-51,54	55	3.6		9,772	3.76	367	0	35	-413	+.04	-15	-21
01-21-56 925394 3453495 5-73					19			10,591	3.65	387						
1298309 GLEN RUN COUNT MAGIC WALKER...	91-13	83	11	8-23,52,	324	2.7		15,880	3.60	572	12	90	-287	+.04	-5	-13
10-23-55 1138451 2598194 5-73				91,92,93	59			16,402	3.57	585						
1298344 MATHEWSFIELD OEWOROP DESIGN...*		44	1	6-13,16,	49	2.0		14,731	3.57	526	**	75	+185	-.02	+4	+9
08-09-56 1175724 4105143 9-72				21,22,23	19			14,493	3.59	521						
1298372 SKOKIE SENSATION CHIEF.....	35-75	598	9	39-32,52,	1,284	2.1		14,902	3.55	529	11	98	+172	-.06	-2	+4
02-01-57 1257271 2872216 1-73				55,58,93	56			14,763	3.61	533						
1298389 CULVER EMPEROR DICTATOR TOPPER		1	12	1-32	12	2.0		14,489	3.75	544	**	23	+157	-.01	+4	+8
11-02-56 1048342 3757120 1-73					11			13,727	3.83	526						
1298780 FLYING CLOUD MASTER FERN.....*		21	5	4-13,14,	59	2.8		14,326	3.59	514	22	72	-394	+.02	-12	-22
04-21-57 1181068 3439816 5-73				23,57	18			14,928	3.58	534						
1299222 FSC IDEAL CHIEF BURKE JO.....	93-19	110	26	7-74,82,	545	1.9		18,151	3.45	626	7	88	+1,259	-.06	+36	+68
11-01-56 1113350 3797803 5-73				86,91,93	126			16,990	3.48	592						
1299435 PLATTCO BURKE TRAILBLAZER.....	93-05	51	6	6-74,82,	149	2.0		17,184	3.46	595	**	84	+667	-.04	+18	+35
03-20-57 1126307 3790857 5-73				86,92,93	86			16,615	3.49	580						
1299476 PALO OURO PRINCE STRATHMORE...		3	108	1-74	114	2.0		13,637	3.59	489	5	31	-50	+.02	+1	-1
10-07-56 1042670 3722770 5-73					9			13,737	3.51	482						
1299523 TRITOMIA D PRIDE ROYAL PRINCE.		8	7	2-82,93	30	1.3		17,313	3.69	639	15	47	+695	.00	+25	+42
09-01-56 1273034 4252469 5-73					25			16,002	3.71	594						
1300013 ORMSBY BURKE MOSE ARTIS.....*		10	9	2-23,33	32	2.8		14,904	3.64	543	12	50	+62	+.01	+3	+4
01-15-57 1196645 2926182 5-73					8			14,822	3.63	538						
1300036 IONIA LASSIE MICHOME.....*		7	7	2-34,52	19	4.1		15,089	3.47	523	6	43	+58	-.06	-7	-4
01-12-57 1221256 2604156 5-73					25			15,017	3.62	543						
1300159 WIS TIP TOP KING.....*		49	1	13-21,23,	50	2.3		12,905	3.50	452	**	70	-636	-.02	-25	-40
04-29-57 1189593 3711790 5-73				31,34,63	31			13,673	3.53	483						
1300855 CADET VALE BURKCADER.....*		6	34	1-31	45	2.6		14,749	3.55	524	10	34	+223	-.02	+5	+11
02-10-56 1078287 3263712 5-73					16			14,064	3.62	509						
1301198 KARL HARRIET ORMSBY.....*		2	6	1-52	10	4.4		12,782	3.45	441	**	30	+19	-.05	-7	-5
01-14-55 1158168 3477247 9-72					15			12,532	3.68	461						
1301486 MAROIC ROBURKE FOBES-TWIN.....	34-01	545	5	7-23,32,	1,204	2.3		14,172	3.58	508	15	98	+32	-.01	-1	0
12-01-56 1024453 3270593 1-73				33,34,57	18			14,111	3.61	509						

REGISTRATION NUMBER / NAME / OF / BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES AND WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS	REC/DAU HM/DAU	HERDMATE MILK	%	FAT	%	1ST LAC MILK	%	FAT	%	REPT	PREDICTED DIFFERENCES MILK	%	FAT	$$
1301736 BRAUNS SULTAN.....*		32	37	9-22,34,	116	3.2	16,273	3.50	569	5	56	+457	-.08	+5	+18
10-08-55 915940 3038125 5-73				35,47,84	26		15,581	3.62	564						
1301864 GRAY VIEW SKYLINER NAT.....	35-75	1,212	8	40-35,41,	3,091	2.3	15,221	3.65	556	10	99	+190	+.04	+13	+16
12-12-56 1244845 3474313 5-73				52,55,93	39		15,100	3.62	546						
1302074 FUTURE HOPE BLACKY LEADER.....*		11	19	4-21,35,	74	3.4	13,922	3.53	492	2	60	-556	-.09	-33	-44
02-01-57 915940 3376283 5-73				52,74	15		14,905	3.70	552						
1302386 RENSINK ANONA SKYLARK.....*		8	18	2-41,42	41	2.9	15,043	3.61	543	8	44	+369	+.04	+19	+27
03-30-57 1097647 3206631 5-73					10		14,175	3.51	497						
1302559 THONYMA LEADER.....	48-01	61	2	6-41,43,	86	3.3	13,763	3.52	484	13	83	+202	-.07	-3	+4
10-13-56 915940 3439974 5-73				48,71,74	15		13,424	3.62	486						
1302713 MOJN GLOW MUTUAL PAUL FLORENCE*		2	19	1-93	26	2.6	16,503	3.61	596	**	32	+176	+.02	+9	+13
10-19-56 1040096 3659941 5-73					52		16,124	3.55	573						
1302774 HAWKEYE WIS BURKE IDEAL.....*		17	30	4-41,45,	59	2.9	13,812	3.69	510	3	44	+32	-.01	0	+1
01-01-57 1313415 2542139 5-73				46,47	18		13,666	3.74	511						
1303034 BJ3 TRANSMITTER INVINCIBLE....		2	15	2-41,47	17	2.7	15,115	3.52	532	42	26	+187	-.01	+6	+11
01-23-56 1056882 3704682 5-73					9		14,408	3.52	507						
1303021 BURKE LEADER ZEJS.....*		2	85	1-21	87	3.7	14,582	3.71	541	13	32	-82	+.02	0	-2
04-14-57 1240994 3278139 5-73					29		14,894	3.65	544						
1303076 DIBBLE CRESCENT CRUSADER.....*		25	12	9-35,41,	64	3.6	13,915	3.63	505	3	64	-78	+.02	0	-2
09-03-56 1014925 3977407 9-72				46,63,74	19		13,999	3.61	506						
1303371 CASH-MAR P CORRINE CHAMPION...*		4	17	1-32	41	3.4	13,887	3.45	479	11	47	-273	+.02	-7	-14
07-02-57 1231051 3518647 5-73					19		14,486	3.40	493						
1303440 ELMER BROOK HOMESTEAD HDESLY..*		1	10	1-35	10	3.7	15,648	3.46	541	0	23	+172	-.02	+4	+8
03-01-57 1220074 3547591 5-73					7		14,953	3.50	523						
1303502 WILLARDS CANARY PRINCE.....	35-75	1,304	7	45-21,32,	3,657	1.8	15,180	3.62	549	13	99	+222	+.01	+10	+15
06-28-55 1230780 2735318 9-72				35,41,55	39		15,019	3.60	541						
1303990 AUTIOS SKYLARK LAD.....		5	4	1-63	10	3.2	14,782	3.34	493	10	33	+311	-.08	0	+9
08-17-56 1033032 3954598 5-73					17		13,785	3.55	490						
1304049 CARNATION SKY PILOT.....	35-21	229	6	8-35,41,	402	2.2	13,441	3.46	465	18	94	-558	-.14	-40	-50
06-09-57 1175596 2931901 9-72				42,43,47	17		13,997	3.63	508						
1304384 GRAY VIEW CRYSTALIZER.....	41-25	577	4	12-35,41,	1,280	2.5	12,961	3.80	492	18	98	-1,322	+.13	-31	-65
01-21-57 1244845 3882120 5-73				42,45,47	16		14,297	3.67	525						
1304722 SKOKIE FAMOUS VICAR.....	35-75	145	93	31-21,23,	548	2.3	13,923	3.58	499	10	72	-49	+.01	0	-1
05-09-57 1279206 3637516 5-73				31,35,58	111		13,949	3.57	498						
1304781 SHETLARS TIDY WHIZ.....*	35-03	75	7	12-33,35,	166	2.1	15,586	3.63	566	17	85	-193	-.04	-12	-16
07-09-57 1040291 3451570 5-73				48,73,93	29		15,973	3.68	588						
1304886 POESTENKILL RAG APPLE ORMSBY..*		6	6	1-21	21	4.1	15,333	3.68	564	0	47	-152	-.02	-9	-12
01-06-57 1024453 3043657 5-73					18		15,803	3.75	593						
1304991 WEBER WIS BURKE ODMIND.....*		4	19	1-82	25	3.8	15,159	3.21	486	0	33	+214	-.05	0	+6
04-27-57 1144238 3414293 5-73					7		14,522	3.33	484						
1305201 SOUTHWIND JULE SUEZ.....*		7	12	2-35,74	31	4.0	13,400	3.25	436	4	47	-377	-.04	-19	-27
11-30-56 1053084 3928533 5-73					29		14,186	3.35	475						
1305345 KYLAND PREMIER LEADER.....*		1	19	1-35	19	3.7	14,445	3.82	552	0	28	-97	+.05	+3	0
08-21-57 1262613 3640223 5-73					10		14,847	3.66	544						
1305366 LONDON DICTATOR SUPERIOR.....		12	42	1-31	93	2.8	14,786	3.71	549	21	48	-364	+.04	-8	-18
04-12-57 1084072 3560181 5-73					61		15,679	3.65	573						
1305460 CARNATION ROYAL MASTER.....*	93-19	680	5	42-21,23,	1,299	2.5	14,978	3.51	525	10	98	-33	-.14	-21	-18
04-03-57 1152252 3232651 5-73				34,35,42	28		15,082	3.65	550						
1305710 TRJNLAN INVINCIBLE CHIEFTAIN..*		7	19	2-21,61	40	3.7	12,441	3.67	457	**	45	-848	+.03	-27	-48
03-19-57 1056882 3631042 5-73					22		14,320	3.63	520						
1305874 NACHES C B NIXON.....	93-16	90	36	7-82,87,	368	1.9	16,379	3.53	578	10	79	+46	+.01	+3	+4
11-26-56 1198620 3612798 9-72				91,92,93	178		16,535	3.51	581						
1306035 TREASURE MODEL REFLECTION.....*		70	9	16-23,32,	144	2.6	14,584	3.48	507	10	82	+252	-.09	-4	+4
10-10-56 010198998 3637325 5-73				34,35,51	22		14,262	3.60	513						
1306640 KEN-RAY MODEL CAPTAIN.....*		3	13	1-21	23	3.7	15,280	3.63	555	17	38	-84	+.04	+2	-1
07-01-57 1154156 3504296 5-73					35		15,629	3.54	554						
1306901 B O I IMPEMGO OMAN.....	41-01	29	1	3-41,42,	34	3.3	12,617	3.53	445	15	70	-393	-.03	-18	-27
04-30-57 956081 3635421 5-73				45	20		13,650	3.58	467						
1306906 B O I LUCSOVE LESTER.....*		8	10	1-52	41	2.2	14,244	3.36	479	43	53	-200	-.08	-19	-22
06-02-57 769170 2967006 5-73					41		14,650	3.53	517						
1307631 MAYERS SENSATION BLACK MAGIC..*		4	11	4-23,35,	18	4.3	13,549	3.46	469	0	36	+182	-.05	-1	+5
10-19-55 1171327 3803506 5-73				42,55	10		12,890	3.65	470						
1307812 JEWELHOLM LADOIE LEADER.....*		446	3	28-13,16,	696	1.9	14,444	3.46	500	**	97	-177	-.13	-25	-26
06-04-57 915940 4226848 5-73				21,22,23	31		14,654	3.60	528						
1307896 RAY-ECHO RAG APPLE ORMSBY.....		5	3	2-21,52	10	2.8	14,581	3.56	519	0	36	+492	-.02	+15	+27
10-16-56 1202538 3402182 5-73					27		13,075	3.60	471						
1308101 SKOKIE SENSATION NEO.....*	31-07	1,034	9	29-31,33,	3,460	2.0	16,382	3.56	583	7	99	+1,434	-.06	+42	+78
04-11-57 1267271 3235818 5-73				61,74,85	29		14,994	3.62	543						
1308138 MITCHELL FARM WALKER OONJUAN..*		7	26	3-13,16,	56	3.1	14,105	3.94	556	7	46	+119	+.06	+13	+14
09-15-57 1038118 3134882 5-73				21	45		13,784	3.84	529						
1308415 CARNATION EMBLEM GAIETY.....	87-01	60	12	4-82,83,	154	2.8	14,473	3.68	533	10	80	-565	+.12	-4	-20
08-30-57 1237664 3483639 5-73				84,87	20		15,264	3.55	542						
1308419 CARNATION BUTTER BOY COUNT....*	91-11	377	6	32-23,32,	838	2.7	14,363	3.58	514	11	97	-94	-.07	-13	-14
08-01-57 1152252 3700608 9-72				34,35,41	20		14,468	3.66	530						
1308492 RIVER VALLEY WALLIE SUPERIOR..*	55-01	26	17	1-55	172	3.1	15,372	3.62	556	15	78	-472	+.01	-16	-27
09-09-57 1190632 3002373 1-73					37		16,154	3.62	584						
1308570 OONCROFT JNA STYLEMASTER.....*		24	15	5-21,22,	66	2.9	16,083	3.62	582	8	59	+566	.00	+21	+34
10-05-57 1240705 3840437 5-73				23,31,57	14		15,212	3.61	549						
1308663 LOS ROBLES OUNLOGIN PAT.....*		11	19	3-86,88,	60	2.2	15,922	3.64	579	11	51	-317	+.08	0	-10
06-01-57 1236850 3490657 5-73				93	76		16,790	3.48	585						
1308796 OREGON CHALLENGER BARON.....	31-07	920	20	24-23,52,	7,727	2.4	14,585	3.50	510	9	99	+153	-.11	-10	-4
09-14-57 1253140 3441114 1-73				55,92,93	22		14,435	3.61	521						
1308801 PUELICHER LEADER OEAN.....*		8	8	4-51,52,	21	3.4	14,719	3.55	522	6	43	-49	-.06	-11	-11
01-25-57 915940 3846421 5-73				55,57	11		14,884	3.72	553						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS REC/DAU HM/DAU	HERDMATE	MILK	% FAT	FAT	% 1ST LACT	% REPT	PREDICTED DIFFERENCES MILK	% FAT	FAT $$
1309349 THJNYMA NETHERLANO NIG.....*		16	31	3-34,43,	63	2.9	13,376	3.62	484	15	44	-419	+.05	-8 -19
04-08-57 1233487 3940052 5-73				48	33		14,317	3.51	503					
1309574 NORTHMOOR LEAOER HECTOR.....*	23-09	907	7	20-16,21,	2,755	2.0	15,208	3.81	580	7	99	+537	+.10	+34 +44
C8-09-57 1216957 2915508 9-72				23,50,51	20		14,695	3.74	549					
1309584 STAR PENNY WISC.....		32	4	4-23,50,	57	1.9	13,521	3.74	506	10	72	-369	+.05	-6 -16
08-30-57 1250624 3164474 5-73				51,72	12		13,999	3.69	516					
1309869 COMMONWEALTH KSP LONOON MASTER		13	22	2-57,61	68	2.3	13,818	3.65	505	11	51	-19	+.02	+2 +1
12-03-56 1194281 3700845 5-73					26		13,797	3.62	500					
1310177 ARLINDA ELSIE MARINER.....*		11	20	3-64,86,	68	2.6	16,117	3.56	574	15	55	-48	+.04	+4 +2
10-09-57 1150470 4155372 5-73				93	92		16,408	3.48	571					
1310334 WILLOMONTE RAVEN BURKE REBEL..*		4	18	1-93	23	3.7	16,468	3.71	611	**	34	-170	+.04	-1 -6
01-25-56 1113350 3707851 5-73					27		17,263	3.64	628					
1310625 TALOGA CRESCENT BEAUTY LAD....*		8	14	2-73,74	45	2.6	15,445	3.46	534	12	51	+792	-.02	+26 +45
11-10-57 1199082 3717269 5-73					28		13,834	3.46	479					
1311429 TAGALONG 8URKGOV DAGAN.....	41-01	949	5	11-41,42,	2,593	2.5	15,371	3.43	527	12	99	+994	-.16	+11 +39
11-24-57 1038509 3320066 1-73				45,46,87	13		14,365	3.59	515					
1311618 IOEAL BURKE OF A 8.....*		7	29	4-22,35,	58	3.6	11,480	3.60	413	2	45	-517	+.04	-13 -26
06-24-57 1251422 2836554 5-73				42,74	30		12,436	3.51	436					
1311749 ASC KING 8ANADIE CAVALIER.....		1	11	1-33	11	1.3	13,348	3.62	483	0	20	+6	.00	0 0
11-05-57 1008249 3905298 5-73					28		13,196	3.68	485					
1311794 SKOKIE DUNLOGGIN 8DY.....	33-03	866	3	41-21,23,	1,330	2.5	14,243	3.64	519	15	99	-16	+.02	+2 +1
11-27-57 1282185 3395112 5-73				33,35,41	18		14,246	3.63	517					
1311829 FOBES STONELEIGH FERDINAND....*		9	5	3-52,55,	21	3.1	13,993	3.39	474	0	48	+137	-.05	-3 +2
11-23-57 850768 3705927 5-73				56	21		13,628	3.51	479					
1311988 MUROC ED CLAUDIA INKA.....		1	11	1-21	11	1.2	10,241	3.77	386	**	19	-515	+.03	-15 -28
01-14-56 1157806 3517956 5-73					16		12,780	3.63	464					
1312021 GREENWOOD STIRLING.....*		10	1	3-16,21,	10	2.2	12,274	3.89	477	**	38	-737	+.09	-14 -34
12-02-57 1125174 3559796 9-72				22	17		14,173	3.63	515					
1312259 WESTMJUNT ADJUDICATOR.....*		13	6	5-16,21,	29	2.3	14,779	3.38	500	5	53	+272	-.12	-8 +2
C1-27-57 01D249631 01064D908 1-73				51,54,55	14		14,253	3.62	516					
1312308 CARRINGTON TREASUREO SANOY....		2	8	1-73	10	3.4	17,033	3.30	562	**	26	+188	-.05	0 +6
07-25-57 1028260 3992499 9-72					20		16,532	3.42	565					
1313093 KAHLDALE JACK.....*		6	2	1-35	10	1.6	13,605	3.54	482	**	32	-391	-.05	-21 -29
11-21-57 1258164 3817392 1-73					16		14,882	3.72	554					
1313340 VISTA GRAVOE AOMIRAL BEACON...*		2	17	1-22	28	4.9	12,088	3.65	441	0	39	-425	+.01	-14 -24
C8-08-57 1170716 3943010 5-73					10		13,046	3.64	475					
1313355 ANTHONY ROCKWOOD R08ARON B....*		36	13	11-32,35,	96	2.2	14,791	3.50	517	19	68	+264	-.06	+1 +9
C6-10-54 1246103 D10732888 5-73				41,86,93	57		14,406	3.57	515					
1313468 PETEY TOPPER BURKE.....		10	1	1-34	11	1.6	14,423	3.50	505	0	40	-135	-.06	-14 -16
C8-19-56 1292428 3888685 5-73					18		14,810	3.69	546					
1313579 NORTHCROFT ARISTOCRAT PONTIAC.*		7	36	1-21	50	4.3	15,720	3.65	573	10	38	+132	-.01	+4 +7
12-11-57 1124780 3931276 5-73					12		15,487	3.67	568					
1314046 MAYERS OUKE MAJESTY LANNIE....*		8	25	2-35,74	64	3.6	14,245	3.59	512	4	52	0	+.03	+4 +3
12-02-57 1293580 3803500 5-73					10		14,229	3.53	502					
1314167 STONE BARN 8LACKIE TEO.....		3	9	2-21,35	12	2.4	12,495	3.70	462	0	28	-284	.00	-10 -17
C8-11-57 1028123 4099015 5-73					20		13,422	3.71	498					
1314242 ELLINGDALE ROBURKE THUNOER8IRO		2	11	1-35	19	3.6	13,066	3.77	493	9	36	-291	+.04	-5 -13
12-14-57 1024453 3915997 1-73					12		13,810	3.68	508					
1314451 SUNNYSIDE LEAOER ORMSBY.....	63-02	37	6	5-35,55,	94	2.6	13,827	3.54	490	11	78	-335	-.03	-16 -23
C8-13-57 915940 3093548 5-73				63,65,74	19		14,243	3.59	511					
1314526 STOCKTON JRBAN.....*		5	25	2-52,93	32	3.7	14,991	3.35	502	**	35	+170	-.04	+1 +6
10-28-56 1253078 4217981 5-73					61		14,515	3.42	497					
1314576 OAKMULGEE ORMSBY CAPTAIN.....		1	39	1-52	39	2.9	15,600	3.46	539	8	29	+103	-.03	-1 +2
01-09-58 860768 3936141 5-73					8		15,340	3.57	547					
1314649 GREEN PASTURES INKA ROMULUS...	41-01	20	3	4-41,42,	35	1.6	13,856	3.46	479	19	61	+133	-.07	-6 -1
C9-07-57 1237594 2481364 5-73				45,46	18		13,555	3.59	487					
1314767 SHAWS O C T UNA CREAMELLE.....	35-05	1,232	9	33-33,35,	5,073	2.4	14,959	3.71	555	10	99	+334	+.05	+19 +26
C7-03-57 972500 2752714 5-73				41,42,93	17		14,648	3.67	538					
1314816 LILAC HILL CURTISS CHOICE.....*	33-03	520	2	38-21,23,	733	2.5	13,618	3.61	491	16	98	-354	-.02	-16 -24
C2-14-57 1024453 3239051 1-73				33,35,41	16		13,936	3.64	507					
1314985 GLAOHURST HOESLY SUSIE SENATOR*		1	11	1-35	11	4.9	12,436	4.26	530	9	25	-216	+.15	+13 +4
C2-17-57 1033472 4149929 5-73					18		13,158	3.60	474					
1315526 FRASEA IOEAL MODEL.....*		12	2	2-21,91	18	1.8	15,723	3.57	561	**	48	+112	-.03	-1 +3
12-03-57 1028260 4440592 5-73					22		15,610	3.65	570					
1315578 LAR-WINN RAG APPLE IOEAL.....	61-02	1,291	12	28-31,33,	5,122	2.4	15,198	3.81	579	10	99	+400	+.19	+43 +47
10-15-57 1390340 2940399 5-73				61,74,85	43		14,840	3.62	537					
1315612 CLOVER8ROOK PRINCE.....*	33-03	1,622	4	45-21,23,	3,305	1.9	15,072	3.65	550	14	99	-95	+.02	0 -3
11-02-57 1079736 4133181 9-72				35,42,93	25		15,255	3.63	554					
1315832 ALASKA EMPEROR KING.....*	96-01	3	10	1-96	19	2.0	13,242	3.78	501	7	34	-257	+.05	-2 -9
11-13-57 1127694 3390423 5-73					10		13,961	3.65	510					
1316122 REN ELM VALENTINE WINTERTHUR..		6	4	2-52,84	11	1.8	14,302	3.87	553	9	31	-158	+.07	+4 -2
11-18-57 1297734 3899834 9-72					33		14,855	3.64	541					
1316535 CRESCENT 8EAUTY EXCELLENCY JOE*		1	14	1-73	14	3.3	13,773	3.19	440	11	25	-83	-.01	-5 -7
12-02-57 1258528 3441545 5-73					9		14,076	3.26	459					
1316539 CRESCENT BEAUTY REPEAT.....*		15	34	4-21,48,	72	2.5	14,406	3.30	476	16	45	+92	-.03	-1 +2
01-09-58 1236643 2275268 5-73				71,73	30		14,178	3.36	477					
1316650 ESMUR OOWNS J RAVEN WAYNE-TWIN		3	9	3-22,23,	12	3.7	13,255	3.83	508	**	28	-41	+.05	+5 +3
11-08-56 1246729 3450589 1-73				41	17		13,294	3.68	489					
1317087 TEXAL SPRING FARM HIGHCROFT...*		26	3	7-43,47,	43	3.8	13,972	3.49	487	7	72	-235	-.05	-15 -19
C6-12-57 01D253819 D10922254 5-73				48,73,84	16		14,290	3.55	508					
1317270 MALLARY AOMIRAL LUCIFER.....	35-75	1,200	4	41-21,35,	2,297	1.8	15,062	3.51	529	14	99	+44	-.08	-10 -7
10-12-57 759170 3496963 5-73				41,55,93	34		15,087	3.60	543					
1317314 ALFALFAOALE LEADER GERRY.....		3	7	1-34	12	4.0	13,901	3.62	503	0	32	-64	+.02	0 -2
10-13-56 1254491 3424643 5-73					9		14,072	3.57	502					

REGISTRATION NUMBER / NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HO	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS	REC/DAU HM/DAU	MILK HEROMATE	% MILK	FAT %	% FAT	1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1317374 DINGLEY DELL MONTGOMERY IDEAL.*		8	6	1-41	29	2.2	12,824	3.77	483	**	52	-296	+.04	-5	-13
08-14-57 1282461 3889644 5-73					14		13,289	3.69	491						
1317482 SOLESTATE FERIE CHIEFTAIN.....		3	5	2-65,93	10	1.6	18,001	3.44	619	50	26	+62	-.01	+1	+3
07-08-57 989939 2956342 1-73					54		18,139	3.44	624						
1317864 LOS POBLES EMPEROR ORMSBY.....		4	4	1-93	10	1.5	16,775	3.52	590	**	28	-13	+.02	+3	+2
10-28-57 1153094 3466646 5-73					92		17,097	3.43	587						
1318104 CASHMAN GRACIOUS BOB.....		2	36	1-23	40	3.4	11,261	3.77	424	**	31	-698	+.02	-23	-40
12-08-53 1158575 3208483 5-73					6		13,401	3.72	498						
1318215 GRAVELHOLM FOND HOPE.....*		2	15	1-66	19	1.8	13,464	3.66	493	**	25	-329	+.04	-6	-15
09-05-56 010212300 010632321 5-73					151		14,805	3.51	520						
1318456 MARIONMEAD ROBURKE R A IOYL...*		2	12	1-34	24	3.0	13,640	3.49	476	10	39	+70	.00	+3	+5
12-09-57 1024453 3311831 5-73					44		13,358	3.47	464						
1318753 IOEDGRAPH JOLLY HIGH-CROFT....*		5	22	3-34,84,	34	1.9	13,223	3.40	450	**	34	+141	-.03	0	+4
03-25-57 1297420 3718668 5-73				87	44		12,629	3.51	443						
1318968 CARNATION BUTTER BOY HIGHFLYER*		30	25	5-11,12,	151	3.5	16,092	3.36	540	7	71	+239	-.15	-13	-3
12-10-57 1152252 3406257 5-73				13,16,21	18		15,904	3.55	565						
1318969 CARNATION IDEAL ELATION.....*		22	14	3-23,34,	96	2.1	14,798	3.57	529	21	68	-203	-.01	-9	-14
01-23-58 1175596 4076142 5-73				35	21		15,177	3.60	547						
1318983 CARNATION IDEAL NOTABLE.....*		13	10	3-81,91,	38	2.4	13,361	3.70	495	6	52	-313	+.03	-7	-15
02-18-58 1175596 4206057 5-73				92	13		13,914	3.66	509						
1319055 VISTA PEAKS SENATOR LAD.....	91-13	298	9	9-81,82,	1,012	1.8	15,193	3.61	549	13	97	-640	-.02	-26	-41
03-27-57 1252985 3362555 5-73				91,92,93	35		16,019	3.64	583						
1319145 SUNLEA TRIUNE IMPROVER.....*	21-01	158	1	5-13,14,	169	3.2	14,938	3.41	509	10	92	+531	-.15	-3	+14
12-02-58 956081 3813482 5-73				21,23,34	19		14,358	3.57	513						
1319421 HILLTOP SIR ROYAL FOBES.....		5	49	2-16,21	150	3.2	15,105	3.57	539	4	57	+484	-.04	+12	+25
01-07-58 934577 3939445 5-73					36		14,240	3.63	517						
1319475 NAPSTAHOS FURY BARON ORMSBY...*		7	19	2-42,93	43	2.7	15,690	3.43	538	**	44	-122	-.08	-16	-17
05-05-57 1258107 4048937 5-73					70		16,146	3.60	582						
1319485 ELMER BROOK ARISTOCRAT JULIUS.*	35-05	49	2	4-33,35,	72	3.1	14,374	3.50	503	12	82	+462	-.11	0	+14
10-03-57 1236789 3906C52 5-73				41,42	15		13,743	3.65	501						
1319560 GREEN CREEK AAGGIE ROMULUS....*		8	6	1-52	29	3.2	13,250	3.49	463	25	54	-196	-.08	-18	-21
11-07-57 1291028 3254124 5-73					26		13,530	3.67	496						
1319772 SIR ROBURKE ODN IRIS.....*		8	35	1-23	48	2.5	14,689	3.55	522	8	36	+13	-.05	-7	-5
01-21-58 1024453 3804C58 5-73					16		14,681	3.73	547						
1320012 LOLLY SMOKER EDDIE.....*		10	4	3-21,32,	24	3.1	15,478	3.50	541	5	54	+483	-.06	+8	+21
01-15-58 1170624 3878376 5-73				34	18		14,606	3.61	528						
1320015 GLENAFTON GRAPHIC.....	34-01	1,021	8	26-31,32,	3,794	2.4	14,379	3.48	500	15	99	-38	-.13	-20	-18
12-21-56 010249530 011155492 5-73				34,52,55	22		14,421	3.61	521						
1320094 BUTTER ROCKWOOD ROCKET.....		3	49	2-41,45	57	3.1	14,337	3.80	545	**	34	+43	+.03	+6	+6
04-30-52 010180114 010381552 5-73					22		14,189	3.72	528						
1320305 B D I VARALEMP ALAN.....	41-01	913	4	6-35,41,	2,442	2.3	13,741	3.65	502	19	99	-645	+.08	-12	-29
07-10-57 1082020 3617038 9-72				42,45,46	13		14,393	3.58	515						
1320334 PEG TOP REGAL.....*		5	25	1-21	37	3.6	14,371	3.26	469	13	37	+10	-.05	-7	-5
01-16-58 1208003 3181334 5-73					10		14,338	3.40	488						
1320453 LAVACRES DUSTY JO MAJOR.....		4	36	1-93	85	2.1	15,977	3.45	551	14	47	-352	.00	-12	-21
03-04-58 1117035 4151544 5-73					85		16,989	3.45	586						
1320543 REIFF FARM PICA PERFECTION....*		13	2	2-32,34	20	2.8	13,273	3.83	509	9	55	-287	+.15	+11	0
01-28-57 1121706 3879097 5-73					22		13,734	3.54	486						
1320747 DIAMOND S SIR HEILO LOCHINVAR.	91-13	55	21	3-91,92,	336	2.3	17,296	3.55	614	**	85	+641	-.01	+22	+37
12-17-56 951535 3756853 9-72				93	86		16,779	3.55	596						
1320881 SOVEROI MODIE TOPPER.....*		6	14	2-23,33	30	2.9	13,222	3.77	498	18	41	+117	+.01	+5	+8
01-22-57 1251381 3002525 5-73					18		12,775	3.78	483						
1321444 CHEMUNG TOP ADMIRAL.....*		6	22	1-21	48	3.5	14,842	3.73	554	4	47	-237	+.03	-5	-11
03-03-58 1254035 3850569 5-73					16		15,450	3.70	572						
1321517 MOOSEHEART HEADLINER.....*	35-03	220	4	13-14,33,	518	3.0	14,847	3.63	539	8	96	+273	-.03	+5	+12
11-30-57 1156059 3290650 9-72				34,35,74	21		14,582	3.67	535						
1321646 TRASKOALE GRETTA LEADER.....*		10	11	4-33,42,	37	2.4	12,371	3.65	451	38	48	-497	+.05	-11	-24
02-12-58 915940 3028769 5-73				47,73	9		13,290	3.54	470						
1321751 HENRYHOME TOGUS MATCHLESS R...*		17	3	7-35,41,	28	3.2	13,776	3.71	511	27	61	-395	+.07	-4	-15
12-15-57 1260169 3496406 5-73				43,48,73	18		14,435	3.60	519						
1321871 LUCK BROS PICADILLY HARTOG....		6	18	2-52,55	36	3.1	13,269	3.80	504	36	41	-256	+.04	-3	-10
10-23-57 1157512 3309366 5-73					18		13,850	3.70	513						
1322268 ROSNI LETITIA FOBES CONQUEROR.		6	39	2-52,55	57	2.9	14,808	3.68	545	5	37	-85	+.01	-2	-4
03-11-58 1026115 3509223 5-73					33		15,109	3.69	557						
1322331 COCHRAN GENERAL WINNER-TWIN...*		9	43	2-21,23	101	3.0	14,443	3.50	506	9	49	-231	.00	-9	-14
01-11-58 1215402 2715445 5-73					39		14,971	3.53	528						
1322370 OUNLO BURKE MARTY.....		1	13	1-41	13	2.3	12,272	3.63	446	**	24	-60	.00	-2	-3
11-10-56 1246318 425335C 1-73					1		12,324	3.65	450						
1322764 SUNNYDECK HEILO MADCAP BARNEY.*		8	18	1-91	52	3.7	14,059	3.38	496	7	53	-734	-.01	-28	-45
11-12-57 1203206 3160116 5-73					41		16,233	3.41	554						
1323020 STANDARD SON-RAY REFLECTION...*		5	12	3-23,51,	29	1.9	12,474	3.90	486	14	41	-608	+.04	-16	-32
12-11-57 010198998 3396902 5-73				55	18		13,924	3.80	529						
1323059 CARNATION PILOT HE-MAN.....	93-19	506	10	31-35,41,	1,385	1.7	15,182	3.46	526	15	97	+491	-.15	-4	+12
04-24-58 1175596 3153486 5-73				42,73,91	20		14,709	3.62	532						
1323223 EL-JRJ MELODY PRINCE.....*		3	7	1-93	10	1.4	17,139	3.16	542	**	24	-7	-.13	-19	-16
05-27-57 1250784 3873128 9-72					65		17,482	3.66	640						
1323323 MAR RO OEL OUNLOGGIN TOWERLINE*		3	24	1-31	28	4.0	14,636	3.40	498	4	33	+213	-.05	0	+6
01-22-58 1004232 3398725 5-73					12		13,940	3.57	497						
1323385 ARCHOLM SIR FOBES ROCK.....*		4	12	1-34	17	2.9	13,945	3.36	469	33	32	-256	-.01	-10	-16
12-02-56 1048340 3759884 5-73					11		14,802	3.40	503						
1323980 WEBER B F DICTATOR.....	42-02	109	2	8-35,42,	158	2.6	12,905	3.60	464	17	90	-566	-.02	-23	-36
11-24-57 1204163 377A697 5-73				43,55,73	14		13,437	3.63	488						
1323989 IDEAL SKYLARK.....	31-02	113	5	12-31,43,	239	2.0	14,602	3.61	527	9	90	+128	-.02	+2	+6
12-03-57 1226862 4241469 5-73				48,56,58	25		14,468	3.63	525						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS REC/DAU HM/DAU	HERDMATE	MILK	%	FAT	% INC	1ST	REPT	PREDICTED DIFFERENCES MILK	%	FAT	$$
1324120 CLARKSDALE DUNLOGGIN MARATHON.		2	14	1-31	16	1.9	16,298	3.34	545	**	25		+516	-.08	+6	+21
68-08-56 1253669 3004775 1-73					3		14,243	3.66	521							
1324345 DURWICK DANOY DANNY.....		124	2	27-21,23,	180	2.2	14,185	3.69	523	23	91		-131	+.06	+4	-1
63-07-58 1088151 3455244 5-73				31,35,48	18		14,324	3.62	519							
1324354 ARWYN SKY KING.....	33-03	1,292	4	42-21,23,	2,298	2.8	14,238	3.69	525	12	99		-136	+.06	+4	-1
12-10-57 1244845 3959680 1-73				31,33,35	22		14,375	3.62	521							
1324630 GLENAFTON ARGYLE.....	91-13	140	14	10-81,82,	472	2.2	14,985	3.53	529	19	91		-574	-.09	-33	-44
61-01-58 010249530 011091003 1-73				91,92,93	61		15,750	3.63	571							
1324929 DAYTON PRILLY MABEL PAT.....		4	31	1-31	43	2.6	13,988	3.45	480	3	35		-66	-.01	-4	-6
63-01-58 1154121 3779291 5-73					32		14,221	3.46	492							
1325017 HILLTOP MAESTRO DICTATOR.....		29	28	12-13,16,	126	3.1	16,747	3.58	599	8	63		+479	-.10	+3	+17
63-17-58 1253007 3271170 5-73				21,22,23	49		16,162	3.73	603							
1325240 IONIA INKA TOBSBOY BURKE.....		6	3	1-34	14	3.4	15,051	3.58	539	0	43		+98	.00	+4	+6
62-27-58 1278836 2982036 5-73					29		14,674	3.58	532							
1325667 WIS ACHIEVEMENT-TWIN.....		137	2	19-13,16,	163	2.0	13,742	3.62	497	**	90		-800	.00	-29	-48
65-24-58 1189593 3111751 5-73				21,22,23	35		14,656	3.62	531							
1325922 CLYDAL W H JEWEL.....		2	10	1-34	12	2.6	13,609	3.42	466	**	25		-298	+.01	-10	-17
10-09-56 1048340 2824145 1-73					14		14,871	3.42	509							
1326002 SHJR-POLL ROCKET MAID LAD.....		8	12	3-21,41,	39	3.1	11,699	3.61	422	14	51		-586	-.01	-22	-36
62-03-55 1218997 2423489 5-73				42	19		12,689	3.63	461							
1326163 IMPERIAL SUNLEA BLUMINE TY VIC*	21-10	1,838	4	16-11,12,	3,748	2.1	15,134	3.71	561	14	99		-359	+.14	+7	-5
67-05-58 923749 3813484 1-73				13,16,21	24		15,619	3.57	558							
1326186 LANGE LEADER PILOT.....		2	37	1-35	43	3.2	15,033	3.67	551	**	32		+120	-.01	+3	+6
12-08-57 915940 405C151 5-73					18		14,682	3.70	543							
1326217 AGHALOMA ALLEN SOVEREIGN.....		3	13	1-11	18	4.1	11,998	3.99	479	**	33		-534	+.11	-4	-19
10-13-55 1110011 4601190 5-73					30		13,522	3.64	492							
1326491 CARNATION IDEAL OLYMPIAN.....		5	46	1-42	55	3.2	12,831	3.59	460	21	34		-368	-.01	-15	-24
65-21-58 1175596 3994130 5-73					8		13,937	3.63	506							
1326862 SPRING COVE DICTATOR FUTURE...		19	5	2-35,41	37	3.2	15,411	3.65	562	7	62		+432	-.01	+14	+25
06-10-56 988614 3259485 5-73					10		14,746	3.68	542							
1326895 D F MODEL ORMSBY.....		8	34	1-35	62	4.6	15,114	3.61	546	2	45		-103	.00	-4	-6
11-22-57 1257764 3709003 5-73					17		15,454	3.63	561							
1327010 LEGAL GOLDEN FLASHER.....		4	6	2-11,14	15	4.3	14,757	3.69	544	**	40		+19	+.01	+2	+2
11-11-57 1170426 4227317 9-72					30		14,746	3.67	541							
1327405 LAVACRES DICTATOR DEFIANCE....	31-02	344	28	17-31,43,	1,335	2.1	13,993	3.64	509	13	95		-612	+.05	-15	-31
06-19-56 1234153 3399994 1-73				55,56,93	38		14,670	3.59	527							
1327750 W J T S STEWARD REMER TRITOMIA		6	20	1-73	39	2.3	13,383	3.42	458	13	40		-172	-.02	-9	-13
65-24-58 1287549 3460935 5-73					19		13,755	3.48	479							
1328278 CHRISTY HIGH MERIT.....		42	2	11-21,23,	49	1.9	13,281	3.61	479	**	73		-641	-.01	-24	-39
65-30-58 1265747 3298348 5-73				31,43,52	44		14,130	3.63	513							
1328342 VARNEYS COMRADE DAN.....		2	8	1-11	15	3.6	13,905	3.45	480	**	34		-151	-.03	-10	-13
04-16-54 1170427 2935501 5-73					9		14,354	3.56	511							
1328620 HAYSSEN GOLDEN CROSS.....	91-11	35	5	10-23,31,	56	2.6	13,121	3.86	507	3	71		-673	+.18	0	-20
67-15-58 1277314 2748774 5-73				35,41,42	19		14,038	3.60	505							
1328697 PABST FOBES TULANE.....		11	1	5-23,33,	12	1.8	13,038	3.65	475	**	41		-333	+.04	-7	-16
63-15-58 1156103 4230305 5-73				34,57,63	19		13,754	3.58	493							
1328752 DU PAGE RIVER ROCKET MASCOT...		5	9	2-33,35	28	2.7	13,905	3.52	489	19	46		+119	-.03	0	+4
06-20-58 1122159 4162429 5-73					14		13,563	3.58	485							
1328923 ECH CRESCENT BURKE.....		1	26	1-73	26	2.5	11,676	3.34	390	**	27		-16	-.05	-3	-7
64-17-57 1253403 3724045 1-73					3		11,442	3.61	413							
1329210 SOBOSS ORMSBY RAINBOW.....		13	17	3-34,64,	37	2.6	14,821	3.68	545	21	42		-12	+.01	+1	-
64-20-57 1127694 3636460 5-73				73	23		14,903	3.65	544							
1329588 OATS FARM GALLANT RAG APPLE...	33-03	2,753	4	48-21,23,	5,733	2.7	15,192	3.57	542	11	99		+517	-.04	+12	+26
12-24-57 1324453 3695720 1-73				33,35,41	21		14,734	3.61	531							
1329617 KINGSTEAD CHAMPION ANDREW.....		5	22	2-51,56	40	3.2	12,892	3.82	493	0	42		+415	.00	+15	+25
67-28-58 1324856 3376291 5-73					17		11,620	3.86	449							
1329983 U NEVADA BURKE IDEAL.....		3	12	2-88,93	23	2.7	15,538	3.15	489	**	38		-160	-.10	-21	-23
64-25-58 1313415 3581805 5-73					54		16,196	3.39	549							
1329994 ROJAN BURKE PABST OLIVER.....		5	50	3-32,35,	58	4.1	14,119	4.01	566	2	35		+16	+.11	+16	+14
10-27-57 1270036 4408755 5-73				51	32		14,036	3.70	520							
1329999 JMC HOMESTEAD SILVER DEAN.....		4	24	1-71	51	4.4	12,213	3.20	391	0	47		-182	-.01	-8	-12
11-20-56 1121583 3249815 5-73					18		12,405	3.20	397							
1330194 FROSMORE ROYAL TONY.....		2	8	1-21	10	1.8	13,554	3.66	496	**	23		-137	+.03	0	-4
66-26-58 1261439 3964352 1-73					28		14,126	3.54	500							
1330248 KNOLLTOP GOLDEN PRINCE.....		4	34	2-22,34	43	2.0	14,433	3.49	503	11	31		+219	-.02	+5	+11
67-22-58 1079736 3325549 5-73					34		13,654	3.54	484							
1330255 FAIRFIELD GOVERN SEGIS PRIDE..		6	13	1-31	30	2.3	12,256	3.35	411	**	41		-262	-.04	-15	-20
12-22-57 1246671 4065729 5-73					31		12,732	3.48	443							
1330424 ADAIR GOLDEN STARFIRE.....		4	56	1-93	85	2.4	19,407	3.47	673	14	39		+798	-.02	+25	+45
63-15-58 1215448 3808375 5-73					89		17,662	3.49	617							
1330478 LUXANA PINNACLE.....		6	15	3-31,34,	25	2.9	14,786	3.58	529	17	36		+76	-.03	-1	+2
66-09-58 1276361 3015387 5-73				57	115		14,591	3.68	537							
1330579 ECH SMOKY COUNT TRIUNE TESS...		6	2	4-32,42,	11	2.7	13,796	3.65	504	0	38		+126	-.02	+1	+5
63-23-57 1218273 3390249 5-73				52,57	24		13,362	3.73	499							
1330649 TABUR ROCKET JESS.....		17	37	3-43,48,	68	3.1	14,826	3.39	502	16	50		+376	-.08	+2	+13
68-23-58 1235716 4293803 5-73				74	35		14,033	3.53	495							
1331029 SAPA SKA GENERAL ROBURKE.....		10	7	2-35,41	30	4.0	14,532	3.46	502	4	53		+294	-.12	-7	+3
67-25-58 1024453 3732696 5-73					12		13,903	3.71	516							
1331314 ROSAFE SHAMROCK GODFREY.....		42	22	7-34,35,	141	3.4	14,223	3.87	551	7	71		-362	+.08	-2	-13
64-08-56 010198998 4641487 5-73				41,46,56	17		14,832	3.78	560							
1331376 PECATONICA PRILLY CORINA.....		7	3	1-35	13	2.9	11,732	3.59	421	0	42		-577	+.01	-19	-33
68-03-58 1287168 3701480 5-73					11		12,984	3.57	464							
1331390 BRAUNS LEADER BILL.....		21	4	7-43,48,	42	2.5	13,975	3.56	498	13	66		-172	-.02	-9	-13
62-26-58 915940 3188644 5-73				61,65,74	25		14,220	3.61	513							

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS	REC/DAU HM/DAU	MILK HERDMATE	% MILK	% FAT	FAT	% 1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1331405 PACIFIC SLOPE KING PIEBE.....		1	23	1-93	23	1.6	12,775	3.60	460	**	24	-146	-.01	-6	-9
08-23-54 1087133 2854856 5-73					5		13,273	3.67	487						
1331439 PLATTCO STATESMAN.....	93-05	43	8	5-82,86, 87,91,93	122	2.3	17,220	3.40	585	12	80	+531	-.08	+7	+22
03-15-58 1091411 3591154 5-73					106		16,798	3.47	583						
1331511 THOMYMA RAVEN IDEAL SENOR.....*		5	49	3-43,63, 73	58	2.9	14,752	3.60	531	13	33	-114	-.03	-8	-10
05-14-58 1113350 4234568 5-73					24		15,176	3.70	561						
1331671 MARSHLINE GOLDEN DRUM-MAJOR...*		1	10	1-21	10	2.7	12,310	3.74	461	**	23	-223	+.05	-1	-8
05-12-58 1273131 3199971 5-73					9		13,153	3.52	463						
1331972 TOLEDO GRAND GOV WAYNE.....*		5	20	1-31	39	2.9	15,872	3.66	581	16	41	-66	+.02	0	-2
04-02-58 1044576 3426782 5-73					45		16,218	3.63	588						
1332076 REFLECTION ORCHARD VALE A B C.*		98	1	27-21,22, 23,51,86	116	1.8	14,781	3.60	532	21	87	+242	+.03	+13	+18
07-17-57 010196998 3136025 5-73					43		14,515	3.56	517						
1332202 BROOKMONT KING KIDWA.....*		6	2	1-21	10	3.4	11,793	3.63	428	0	38	-217	+.06	0	-7
12-28-57 1277716 3691777 1-73					27		12,143	3.47	421						
1332302 SANMARGALE LEADER STAR.....*		4	66	2-31,34	74	2.6	14,389	3.56	512	11	32	+30	-.01	0	+1
07-12-58 915946 3446650 5-73					57		14,286	3.61	516						
1332433 ADDAR GOLDEN MARSHALL.....*		3	24	1-93	28	3.1	12,592	3.65	460	**	31	-476	+.04	-11	-23
04-28-56 1213442 3802945 5-73					26		14,085	3.51	495						
1332861 BURKE LADDIE MONARCH GERBEN...*		9	41	1-43	65	2.7	16,088	3.51	565	7	39	+305	-.01	+10	+17
03-13-56 1239588 3538974 5-73					16		15,395	3.52	542						
1332607 RUSTIC DEAN CLYDE HILL.....*		3	35	1-34	39	3.3	16,684	3.51	586	17	31	+471	-.03	+13	+25
12-01-57 1244965 3431221 5-73					5		15,272	3.59	549						
1332697 KILDARE RAVEN PREMIER.....*		7	4	1-93	16	1.9	13,719	3.96	543	**	40	-571	+.16	+1	-16
11-25-55 1113350 2609885 5-73					22		15,250	3.55	542						
1333227 NACHES MADCAP HAMILCAR.....*		6	27	3-81,82, 87	36	2.8	14,305	3.38	484	7	33	+36	-.02	-1	0
05-12-55 1249795 3532533 5-73					14		14,169	3.44	488						
1333330 FREEBAER GOLDEN THOR-TWIN.....*		33	8	10-21,22, 23,32,34	66	2.2	13,919	3.55	494	18	69	-922	-.02	-36	-57
06-12-58 1256869 4096164 9-72					31		15,360	3.59	551						
1333409 SEDLAN LEADER STATESMAN.....		4	38	1-48	57	2.8	17,432	3.57	623	13	41	+373	+.02	+17	+25
04-16-58 1186528 3114797 5-73					20		16,758	3.51	589						
1333463 ZELSON COMMRAN JERRY.....*		3	9	1-21	13	2.5	14,236	3.65	519	**	28	-546	+.02	-17	-30
02-02-56 1156406 4230162 5-73					37		16,399	3.60	590						
1333706 RICH-HERD TEXAL JO BURKE.....	41-25	117	4	11-35,41, 42,43,47	202	2.6	15,522	3.52	546	8	91	+725	-.11	+10	+30
06-26-58 1295307 2733153 5-73					22		14,757	3.64	537						
1333708 RICH-HERD LEADER PACEMAKER....		1	47	1-82	47	3.5	13,262	3.39	450	**	30	-174	-.05	-13	-16
09-22-57 1186594 4295149 5-73					34		13,782	3.59	495						
1333723 SHADY MEADOW IDEAL EX.....*	61-02	919	6	28-31,33, 51,74,85	2,431	2.2	14,264	3.60	513	12	99	-389	+.01	-13	-22
03-17-58 1013415 3671396 9-72					31		14,688	3.59	528						
1333809 MAYERS DARK LEADER.....*		222	2	33-21,23, 31,32,34	293	1.6	14,565	3.76	548	**	94	-271	+.14	+10	0
02-16-58 915940 3809720 9-72					35		14,904	3.62	539						
1334052 HENSEN ZEUS ACHILLES.....		13	32	5-33,35, 57,64,93	87	2.7	13,813	3.60	497	18	52	-454	-.08	-27	-36
09-27-57 1272084 3888426 9-72					40		14,727	3.77	555						
1334033 GRAY VIEW CREATOR STARFIRE LAD*		1	39	1-35	39	3.9	13,968	3.81	532	21	30	-212	+.05	0	-6
03-31-56 1196596 3677671 5-73					6		14,708	3.62	532						
1334041 GRAY VIEW SKY SUCCESSOR.....	72-01	65	18	8-31,42, 64,65,72	413	1.9	13,675	3.42	468	9	88	-479	-.03	-22	-33
05-26-56 1244345 2961945 9-72					24		14,204	3.46	491						
1334065 KIDD FARMS NETHERLAND BOOSTER.*		2	38	1-93	40	2.7	14,446	3.31	478	0	30	+83	-.04	-3	0
09-27-57 1253078 3806503 5-73					72		14,140	3.47	490						
1335590 LIN LAIR RAVEN MANDATE.....*		7	12	1-35	22	2.7	12,588	4.02	506	16	36	-435	+.16	+7	-7
07-01-56 1251422 2868397 5-73					13		13,740	3.52	483						
1335721 WIGO COMRADE.....	35-21	512	4	20-34,35, 41,42,74	1,114	2.4	14,435	3.68	531	12	98	-189	+.05	0	-6
01-21-56 959466 3186466 9-72					16		14,655	3.64	534						
1335841 JON-DE IDEAL.....		10	1	2-35,41	10	3.1	13,782	3.54	488	20	40	-104	-.02	-7	-9
04-12-56 933122 3042962 5-73					15		14,006	3.63	508						
1336251 LOCKWAY JOHANNA POSCH LUCIFER.	34-01	494	6	11-23,31, 32,34,51	1,523	1.9	15,602	3.61	564	11	98	+1,066	-.01	+37	+63
07-29-57 1165012 3150965 9-72					20		14,529	3.63	527						
1336215 RAVENGLEN COMMANDER.....*		13	54	1-43	86	3.1	11,603	3.81	419	14	40	-521	+.06	-11	-25
06-01-58 1253322 2378756 5-73					46		12,065	3.66	441						
1336265 ELMER BROOK HOMESTEAD FAVORITE*		11	8	3-33,35, 74	34	3.1	15,547	3.68	572	19	54	+244	-.01	+7	+13
08-12-58 1119383 3073602 5-73					11		15,175	3.72	564						
1336273 AL-LOU-JAN DUNLOGGIN IDEAL.....*		93	2	22-21,23, 31,34,55	115	1.8	14,035	3.51	491	**	86	-149	-.07	-15	-17
08-03-56 1113350 3654690 5-73					73		14,155	3.59	508						
1336658 CARNATION IDEAL DIGNITY.....*	35-02	110	6	4-34,35, 41,85	161	2.6	14,719	3.59	528	15	87	+98	-.05	-4	0
07-17-58 1175596 2931401 5-73					17		14,630	3.66	536						
1336659 CARNATION IDEAL PRINCE.....	67-01	65	8	9-81,82, 83,84,87	254	1.8	14,515	3.62	525	9	88	-387	+.03	-10	-20
07-27-58 1175596 4051117 5-73					26		15,017	3.59	539						
1337271 HARDEN FARMS DUKE DESIGN.....	65-02	38	7	1-65	149	2.8	13,756	3.42	471	10	84	+115	-.07	-6	-1
09-01-58 1112211 3379025 5-73					12		13,533	3.51	475						
1337276 KING ABBEKERK PABST DANNY.....*		1	26	1-31	26	2.7	13,697	3.36	467	17	26	-269	-.03	-14	-20
08-12-56 1240039 3672759 5-73					13		14,927	3.48	520						
1337655 TAVERN ROYAL JUPITER.....*		2	10	1-12	20	3.9	13,201	3.58	472	0	39	+201	-.05	0	+6
09-29-58 1232453 2572354 5-73					4		12,492	3.77	471						
1337750 RANDOLPH ANTONY PARAGON.....		1	45	1-52	45	2.2	16,183	3.57	577	8	28	+353	-.06	+4	+14
11-28-57 1256477 3837911 5-73					19		14,934	3.60	568						
1338072 SILVER TIDY DUNLOGGIN PINKY...*		8	23	2-52,55	37	4.6	15,402	3.66	563	0	41	+445	-.02	+13	+24
03-29-56 1189679 4068951 5-73					35		14,296	3.73	533						
1338074 TIDY PAULINE SEGIS BURKE.....		2	35	1-52	37	4.0	13,645	3.61	492	**	31	+326	+.01	+14	+21
06-21-58 1189679 3101693 5-73					9		12,403	3.53	438						
1338301 WIPLEDALE KORNDYKE MASTER.....*		2	17	1-52	25	3.5	15,197	3.69	561	20	35	+47	.00	+2	+3
02-28-58 855766 3831115 5-73					28		15,134	3.70	560						
1338406 FARMSTEAD LEADER LAD.....*		1	31	1-34	31	2.8	13,095	3.77	494	14	28	-250	+.05	-2	-9
10-24-56 915940 3776009 5-73					32		13,940	3.60	502						
1338526 TOWNSEND SCHOOLMASTER JIM....		10	17	6-14,21, 31,34,55	34	2.7	14,357	3.55	509	**	40	-26	-.05	-8	-7
09-12-56 1181068 3795659 5-73					11		14,427	3.70	534						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS	REC/DAU HM/DAU	MILK HERDMATE	% MILK	FAT	% FAT	1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1338728 MAYERS DUKE MAJESTY FOBES.....*	31-02	376	12	22-23,31,	1,189	2.3	14,571	3.91	569	8	97	-301	+.23	+22	+9
03-03-58 1293580 3480321 9-72				43,56,57	22		14,938	3.68	549						
1338935 GREEN COVE PRIDE BURKE.....*		9	12	3-31,32,	26	3.3	14,141	3.59	507	5	42	-300	-.03	-15	-21
08-26-58 1113350 4162154 5-73				54	21		14,916	3.67	547						
1339114 THONYMA ORMSBY IDEAL.....*		2	35	1-33	37	3.6	13,761	3.66	504	18	31	+15	+.02	+4	+4
04-14-58 1013415 4204564 5-73					6		13,635	3.59	489						
1339135 ARCHAMBAULT HOMESTEAD PALMYRA.*		7	7	5-32,35,	23	2.8	14,036	3.63	537	11	44	+218	+.10	+22	+25
09-02-58 1095002 3344533 5-73				42,61,74	19		13,449	3.61	485						
1339328 MASSFARM WINNER RAVEN.....*		2	22	1-21	24	4.5	13,667	3.35	458	**	31	-95	.00	-3	-5
05-24-58 1252614 3240628 5-73					35		13,934	3.34	466						
1339436 LANGE RE-CHARITY RAVEN.....*		7	84	2-86,93	101	2.7	17,329	3.33	577	1	35	+360	-.05	+5	+15
03-15-58 1190953 3861858 5-73					60		16,505	3.45	569						
1339551 SUSQUESEGO ROMEO PRINCE.....*		4	39	1-21	61	3.9	12,656	3.71	469	7	41	-359	.00	-20	-33
09-15-58 1283313 2566043 5-73					18		13,995	3.72	520						
1339709 CLAYACRES WALKER INKA ACE.....		4	10	4-21,71,	24	1.5	17,195	3.40	584	12	37	-46	-.02	-5	-5
01-17-58 1298777 2932755 1-73				85,93	321		17,647	3.46	610						
1339835 SANGARD RAVEN STANLEY.....*	35-05	500	38	23-33,35,	1,429	1.9	15,847	3.56	564	14	93	+262	-.09	-4	+5
05-15-57 1113350 3680532 9-72				41,42,93	40		15,696	3.66	575						
1340498 UTAG SKYLARK BOOTS OANDY.....		1	30	1-87	30	1.9	11,882	4.12	490	3	26	-31	+.11	+14	+11
03-05-58 1239242 4056618 1-73					1		11,737	3.64	427						
1340657 LIME HOLLOW REGAL FOBES DYNAMO*		13	10	2-21,23	43	2.8	14,751	3.73	550	17	57	-455	+.08	-5	-16
11-17-58 1238003 3319859 5-73					27		15,685	3.61	566						
1340669 IRVINGTON PRIDE COMMANDER.....*	33-03	1,494	6	44-21,23,	2,717	2.6	15,218	3.43	522	13	99	+375	-.18	-5	+13
08-29-58 1112030 2726655 5-73				33,34,35	20		14,634	3.61	530						
1340655 GOVERNOR ORMSBY BURKE PRINCE..		1	28	1-42	28	2.5	10,646	3.47	369	**	27	-222	-.01	-10	-15
08-12-58 1226117 4135665 5-73					25		11,136	3.58	399						
1340661 ST CROIXED DE KOL ROCKET.....*	35-05	56	11	4-31,35,	106	2.7	15,604	3.72	588	19	74	+779	.00	+28	+47
09-02-58 1171453 3270748 5-73				41,42	14		14,794	3.74	553						
1340972 POPOSIA BANDMASTER BURKE.....*		6	6	3-81,83,	18	3.2	15,112	3.42	517	0	44	-152	.00	-5	-9
03-23-58 1382291 2902764 5-73				87	16		15,581	3.42	533						
1341074 SLEEPY HOLLOW ROYAL BRAVE.....		2	28	1-93	30	2.3	17,006	3.73	634	**	29	+150	+.01	+7	+10
07-11-58 1252231 3618241 5-73					30		16,719	3.70	618						
1341143 MAN-O-WAR SEGIS ORMSBY DUKE...*		4	8	2-41,93	15	4.9	15,523	3.57	554	0	35	+103	+.02	+5	+6
10-14-57 1278538 3577441 5-73					20		15,326	3.52	540						
1341149 JEWELHOLM SUPREME CYCLONE.....*	31-02	594	11	31-31,43,	2,236	2.1	14,432	3.45	498	13	98	+126	-.15	-17	-10
11-01-58 1241487 4221250 1-73				55,56,64	24		14,292	3.61	516						
1341219 NOEL BURKE BOB.....		3	56	1-21	62	3.3	14,771	3.63	536	3	33	-332	+.06	-4	-13
11-21-58 1006866 3931048 5-73					10		15,934	3.48	554						
1341529 THONYMA IDEAL SENATOR.....*		30	3	9-21,43,	51	3.3	13,834	3.45	477	19	74	-620	-.11	-38	-50
06-07-58 1013415 3905425 5-73				48,84,93	33		14,736	3.61	531						
1341571 WIS PHANTOM.....*		16	25	4-43,87,	67	3.0	16,465	3.95	650	**	51	+349	+.18	+39	+43
10-12-58 1292860 4027777 5-73				88,93	38		15,929	3.64	580						
1341636 MAYERS DUKE MAJESTY TOPPER....*		3	17	1-32	21	2.9	16,980	3.80	645	**	30	+367	+.06	+29	+41
09-15-58 1293580 3803507 1-73					15		15,173	3.64	553						
1341786 PINEHURST ADMIRAL CYCLONE.....		1	70	1-35	70	3.3	14,950	3.46	518	7	31	+39	.00	+2	+3
07-11-58 1211333 3477557 5-73					24		14,873	3.42	509						
1341975 FOBTHOM SOVEREIGN FOBES.....*		19	7	6-43,48,	54	2.8	15,088	3.53	532	5	66	-211	+.02	-5	-10
11-06-58 1116365 4259638 5-73				61,63,71	22		15,522	3.50	544						
1342071 SEQUOIA PILOT SOLEDAD.....		1	35	1-93	35	1.9	15,095	3.75	566	17	27	-258	+.06	-1	-9
10-16-58 1094305 3567939 5-73					62		16,257	3.57	581						
1342072 SEQUOIA JJ PILOT.....*	23-09	518	6	12-23,50,	1,059	2.1	13,720	3.75	514	15	98	-859	+.02	-28	-49
10-22-58 1094305 4440455 9-72				51,52,93	22		14,625	3.74	547						
1342189 JENIDA LED HAZELWOOD.....*		3	64	2-82,87	80	2.3	13,325	3.43	457	16	34	-120	-.01	-5	-9
09-27-57 1035459 3818156 5-73					21		13,606	3.48	473						
1342332 HALLCREST ROBURKE LASTMAN.....*		6	20	1-21	31	3.5	16,647	3.56	592	16	36	-16	-.04	-5	-5
04-21-58 1024453 2365334 5-73					14		16,948	3.67	622						
1342614 REDFIELD CREATION BETTINA.....*		9	26	2-41,42	56	4.4	14,636	3.66	536	5	52	+141	-.01	+4	+8
11-28-58 1280015 3569297 5-73					22		14,363	3.69	530						
1342677 FOHON IDEAL BURKE ELSIE WAYNE.*		38	7	6-13,21,	75	2.8	13,270	3.69	490	21	73	-940	+.07	-24	-48
10-14-58 1150470 4419504 5-73				32,41,47	20		14,373	3.60	525						
1342755 FORDLEA INVINCIBLE DEEN.....*		2	40	1-21	42	3.7	16,421	3.90	641	5	32	+101	+.11	+19	+19
11-25-58 1295953 3213266 5-73					27		16,293	3.61	588						
1342830 MAYERS DUKE SARGENT.....*		2	22	2-23,35	24	4.0	12,899	3.54	456	0	31	-237	+.02	-6	-12
10-01-58 1293530 3981611 5-73					12		13,581	3.50	475						
1342919 HAYSSEN POND MASTER DON.....*	35-03	9	12	4-23,34,	25	4.1	15,254	3.87	590	0	42	-230	+.06	0	-7
11-30-58 1250992 3054144 9-72				35,57	17		15,960	3.76	600						
1343044 BUDERWIN ORMSBY NUDINE.....*		5	11	2-11,55	27	4.1	15,229	3.87	590	8	44	+152	+.07	+15	+17
09-07-58 1244185 3274822 5-73					13		14,939	3.76	561						
1343190 KEN VER NEIL WIS DUSTY.....		3	12	1-48	21	3.1	13,439	3.59	483	**	36	-86	.00	-3	-5
08-30-57 1188192 3096527 5-73					16		13,601	3.62	492						
1343336 MONDACACY MEADOWS REF RULER....*		1	47	1-51	47	4.0	12,112	3.43	415	0	32	-46	-.02	-4	-5
11-12-58 1306035 3923528 5-73					18		12,024	3.51	422						
1343521 ELKLAND CYCLONE.....*		1	15	1-35	15	1.6	14,884	3.82	568	**	23	+139	+.01	+7	+10
09-13-58 1279351 3292579 5-73					29		14,256	3.77	537						
1343525 WIS DYNAMIC COUNT.....*		2	30	2-35,74	42	2.8	13,535	3.82	517	7	35	-20	.00	-1	-1
12-08-58 1192327 4027771 5-73					43		13,505	3.87	523						
1343657 SUNTOP OLED CAESAR.....		1	13	1-91	13	1.8	17,026	3.39	578	**	22	+301	-.09	-2	+7
08-21-58 1257771 4192129 1-73					28		15,827	3.79	600						
1343763 ARWYN PILOT PAT.....*		3	20	3-32,35,	25	2.7	14,092	3.75	529	5	31	-196	+.03	-3	-8
10-12-58 1094305 3860666 5-73				61	19		14,756	3.70	546						
1343798 CEDARDALE CORPORAL.....	35-05	585	7	20-13,21,	1,660	2.2	14,481	3.94	571	9	93	-316	+.26	+25	+11
10-03-58 1038118 3668847 5-73				35,41,42	17		14,849	3.70	549						
1343955 POKEGEMA SCOTTY SUPREME.....*		2	8	1-35	10	3.5	14,133	3.93	555	22	25	-44	+.05	+6	+4
08-11-58 1033472 3551687 5-73					23		14,305	3.73	534						

REGISTRATION NUMBER	NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES WD- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS REC/DAU HM/DAU	HERDMATE	MILK	%	FAT	%	IST LACT INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
134-3995 KYLAND CRESCENT PREMIER.....		93-19	197	5	25-35,41,	429	1.4	15,668	3.68	577	10	94		+144	+.07	+16	+17
11-17-56 1126392 +586149 5-73					42,74,93	40		15,640	3.61	564							
134-6214 WALCO-FARM PRIDELE.....		35-04	24	1	5-21,35,	27	3.2	13,522	3.65	493	10	65		-260	+.04	-9	-11
09-28-58 1159417 2864743 5-73					42,57,73	14		13,670	3.60	499							
134-6341 DAREY PERFECTION SIR TIDY.....*			4	23	1-48	34	2.5	14,188	3.45	490	21	34		+44	-.02	-1	+1
11-19-57 1176455 3088878 5-73						7		14,022	3.52	494							
134-7348 SKYWAY ESTEEM SAM.....*		35-21	351	3	23-13,33,	835	2.4	15,262	3.50	534	15	97		+521	-.15	-3	+13
08-21-56 1232125 +143918 1-73					34,35,93	19		14,753	3.66	540							
134-7619 HARBST PIDA PRINCE CREATOR....*			4	18	1-34	25	3.3	13,234	3.98	526	23	33		-295	+.12	+6	-4
08-19-56 1257371 3704701 5-73						10		14,058	3.61	507							
134-7655 KITSCHA SUSIE MAESTRO JERRY...*			3	7	2-32,64	18	4.5	15,906	3.61	574	0	42		+603	+.04	+27	+40
07-27-56 1258007 +005583 5-73						20		14,487	3.51	508							
134-7658 DELLFIELD LEADER.....*			2	32	1-93	34	3.4	17,449	3.27	570	**	31		-43	-.06	-10	-10
10-10-56 1150470 3065910 5-73						64		17,948	3.43	615							
134-7698 MONCOACRY MEADOWS REF SOVEREIGN*			1	27	1-51	27	+.1	13,947	3.73	520	0	29		-32	+.02	+2	+1
11-15-59 1326035 3044895 5-73						21		14,025	3.66	514							
134-8179 RIDVILLE FRASER BUTTER BOY....		91-01	204	4	5-81,82,	461	2.6	14,056	3.61	507	13	96		-806	+.03	-25	-45
11-20-58 1152252 3069416 9-72					87,91,92	19		14,959	3.58	536							
134-8998 PINEVIEW REBURKE PRINCE.....*			4	51	1-21	59	3.9	14,207	3.53	502	0	34		+55	-.01	+1	+2
10-22-58 1224453 2916319 5-73						19		14,008	3.54	496							
134-9074 AVONCREST FAIRFIELDS WIS.....*			3	11	1-34	17	2.9	14,676	3.60	529	**	33		+155	-.01	+4	+8
10-28-58 1263541 2746343 5-73						25		14,184	3.54	516							
134-9229 PELTJB DESIGN WALKER.....*			4	78	1-86	86	2.1	15,822	3.51	556	6	30		-180	-.01	-8	-12
09-26-58 1250384 2829553 5-73						20		16,648	3.57	595							
134-9230 DOLAN DESIGN WAYNE.....*			2	25	1-86	27	3.4	17,052	3.61	615	0	30		+230	+.03	+13	+18
11-28-56 1250384 3485277 5-73						24		16,432	3.49	575							
134-9321 ECHO POINT REFLECTOR IDEAL....*			10	1	2-23,57	10	2.3	14,245	3.75	535	**	39		+38	+.03	+6	+6
11-16-59 1296430 3524326 1-73						17		14,122	3.69	521							
134-9395 SANDHURST TY VIC KING.....*		11-01	88	2	5-11,15,	117	3.1	14,531	3.80	551	16	87		+275	+.08	+22	+26
11-21-58 9237-9 2872710 5-73					33,55,73	19		14,164	3.72	527							
134-9467 DEE ANN HENGERVELD CHIEF.....			1	29	1-86	29	2.9	13,039	3.54	462	7	26		-311	+.03	-7	-15
02-12-57 1329783 3696948 5-73						70		14,119	3.46	489							
134-9567 BILL BENEFACTOR KATHERINE.....			3	19	2-21,45	23	3.4	12,764	3.82	488	14	31		-131	+.04	+1	-3
11-22-58 1132564 +032552 5-73						19		15,050	3.68	481							
134-9656 SMOKER LOLLIE FAVORITE LAD....*			7	17	1-42	30	3.5	13,445	3.56	478	3	40		-315	+.02	-8	-16
11-18-56 1120414 2931936 5-73						27		14,224	3.50	498							
134-9821 KANAWAKA TRIUNE DELUXE VOGUE..*			9	2	1-48	13	3.0	14,207	3.40	483	30	44		+57	-.09	-11	-7
09-01-58 1225352 3770972 5-73						16		14,020	3.63	509							
134-9882 HARSTAMDS ENSIGN ROYAL PAYNE..*			6	11	1-93	32	1.7	15,377	3.66	563	25	44		-387	+.04	-9	-19
11-26-56 1334352 +046920 5-73						83		16,472	3.60	593							
134-9992 ARLINDA FORTY-NINER BURKE.....*			1	45	1-86	45	2.5	15,182	3.85	583	6	29		+287	+.08	-1	+8
12-24-56 1283917 +022405 5-73						34		14,154	3.66	433							
134-9998 GLENAFTON SENTINEL SIGNET.....*			29	15	5-13,14,	71	3.1	15,364	3.52	541	13	62		+87	-.11	-13	-8
12-28-56 01024953C 01113201 5-73					16,21,47	24		15,315	3.71	568							
134-7011 SOUTHWIND JULE CARGO.....*			11	4	2-41,42	25	3.8	14,556	3.51	511	16	55		-81	+.07	-13	-13
11-03-56 1315198 +196209 5-73						12		14,740	3.66	539							
134-7065 FAWNEE FARM REFLECTION SUPREME		35-21	1,356	7	29-35,41,	4,084	2.3	14,666	3.58	525	14	99		+230	-.07	-2	+5
10-28-58 1322381 3922839 5-73					42,43,47	18		14,439	3.66	529							
134-7112 HAYSSEN POND MARMADUKE.....		35-21	580	4	11-35,41,	1,152	2.0	14,395	3.70	532	13	98		-164	+.06	+3	-3
01-31-59 1250992 +055581 5-73					42,47,93	24		14,582	3.63	530							
134-7138 SA-NAN SEGIS REFLECTOR.....*			9	9	1-23	24	2.9	13,198	3.56	470	0	44		-174	+.03	-10	-13
11-05-58 1298430 2878548 5-73						11		13,505	3.65	493							
134-7146 VERPANA FARM REGENT MARK.....		93-19	333	4	25-23,34,	585	1.9	14,697	3.70	544	12	96		+297	+.06	+19	+25
12-15-58 1250772 3192525 5-73					35,41,42	20		14,388	3.65	525							
134-7213 LAVACRES DUSTY JO SAXON.....			4	12	1-93	22	2.0	16,311	3.72	607	**	36		0	+.01	+1	+1
12-18-58 1117035 3612899 1-73						33		16,524	3.71	613							
134-7625 LAVACRES PRAIRIE SAILOR.....*			2	95	1-91	99	2.9	14,773	3.55	525	15	32		+117	-.03	0	+4
11-21-58 1291499 +214013 5-73						56		14,401	3.64	524							
134-7698 WHIRLHILL ROMEO.....*			2	26	1-43	28	2.4	14,448	3.78	546	23	28		-69	+.01	-1	-3
02-15-59 1232399 3606125 5-73						45		14,732	3.77	555							
134-7936 WHIRLHILL ARISTOTLE.....*			14	4	1-23	30	3.2	14,095	3.87	546	31	60		-608	+.12	-5	-23
12-28-58 1114027 4022083 5-73						16		15,189	3.69	560							
134-7942 WHIRLHILL KINGPIN.....*		23-13	3,114	22	41-22,23,	16,409	2.0	16,156	3.67	594	9	99		+1,216	-.01	+42	+71
02-12-59 1124074 4227925 5-73					51,52,93	31		15,038	3.70	555							
134-8127 DEBONNES COMAL DON-TWIN.....			2	10	1-73	12	3.2	15,518	3.56	553	**	28		+151	.00	+5	+9
12-21-58 1275997 3864426 9-72						5		15,031	3.58	538							
134-8259 AIRYTOP SIR SEELEY RABST JR-D.*		21-10	2,634	8	20-13,14,	10,088	2.2	16,296	3.56	580	12	99		+664	+.01	+25	+41
12-13-58 1102436 3304894 1-73					16,21,23	24		15,758	3.55	559							
134-8386 ZIMMERMAN PILOT PANSTAR MAC...*			5	54	2-50,52	63	3.7	13,861	3.66	508	3	35		-12	.00	0	0
10-29-58 1251887 3424562 5-73						18		13,845	3.68	509							
134-8442 VALLA VISTA RAMONA MORRIS.....			16	36	5-35,47,	77	1.8	14,393	4.07	586	3	42		-731	+.14	-7	-28
01-08-59 1258290 3866465 5-73					52,84,86	16		16,321	3.76	614							
134-8479 SOUTHLAND ABBEKERK ALFEY.....*			4	57	1-57	63	2.9	11,180	3.69	412	14	32		-310	+.01	-10	-18
07-13-58 1031736 3905691 5-73						35		11,889	3.68	437							
134-8629 RAYMAU HEADMASTER.....*		35-21	1,243	6	38-11,13,	3,637	1.8	14,707	3.59	528	16	99		-358	-.07	-23	-30
08-01-59 1161088 3125930 1-73					35,41,42	18		15,144	3.67	556							
134-8630 HEYBED GOLDEN DAUNTLESS BARON.*			14	18	2-11,15	66	3.4	14,839	3.61	534	11	58		-338	+.01	-13	-21
11-22-58 1242702 3102802 5-73						45		15,539	3.62	562							
134-8697 KNOTTY OAK TREASURE DUKE.....*			3	6	3-13,14,	12	2.7	14,590	3.29	480	36	31		-3	-.10	-14	-12
08-15-58 1253886 3362277 5-73					42	23		14,628	3.63	531							
134-9344 EBONITE IDEAL RAVEN JAY-TWIN..*			16	2	3-23,51,	23	3.0	13,588	3.58	486	7	60		-229	-.09	-21	-24
12-21-56 1113350 3563349 5-73					54	16		13,923	3.76	523							
134-9520 RAVENGLEN TRIUNE CAVALIER.....*			34	8	7-11,13,	97	2.6	16,084	3.36	541	9	76		+520	-.20	-11	+7
01-24-59 1297160 3534305 5-73					21,35,42	17		15,513	3.62	561							

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS	REC/DAU	MILK HM/DAU	% HEROMATE	% MILK	FAT	% FAT	IST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1349678 CARNATION ROYAL PROMISE.....	35-21	611	4	11-35,41,	1,276	2.1	14,069	3.58	503	15	98	-175	-.07	-16	-18
02-01-59 1305460 4291800 1-73				42,43,47	15		14,232	3.66	521						
1349680 CARNATION ROYAL TOPMAN.....	91-11	246	11	26-42,63,	575	2.0	14,153	3.62	513	17	94	-495	+.01	-16	-28
02-06-59 1305460 3406285 1-73				74,91,93	24		14,716	3.62	532						
1349691 GRAY VIEW SKYHIGH.....*	31-02	207	52	16-31,43,	685	2.2	13,838	3.51	486	15	84	-740	-.08	-37	-53
05-06-58 1244845 3882120 5-73				56,57,93	64		14,756	3.61	533						
1349738 OON AUGUR OUNLOGGIN GOVERNOR..		8	31	1-16	105	2.7	14,121	3.63	513	4	57	-124	.00	-5	-8
03-05-57 1035230 3718813 5-73					41		14,333	3.66	524						
1349995 TOOO ACRES LUCKY.....*		3	6	1-51	11	4.2	14,672	3.93	577	9	32	-154	+.04	0	-5
09-26-58 1157986 4119796 5-73					19		15,249	3.86	588						
1350224 LOOMIS INST SUPERIOR RANSOME..*		6	5	2-16,21	13	4.9	16,618	3.60	598	3	38	+281	-.03	+6	+13
11-20-58 922288 3428051 5-73					34		16,046	3.66	588						
1350460 LAVACRES DUSTY ARMOR.....		9	14	1-93	40	2.2	16,630	3.47	577	23	46	-161	+.01	-5	-9
05-09-59 1235185 3208918 5-73					124		17,269	3.46	598						
1350463 LAVACRES JAWN MERRIMAC.....*	33-03	279	4	34-21,33,	435	2.1	14,653	3.51	515	14	95	-199	-.05	-14	-18
03-12-59 1291500 4151544 9-72				35,41,93	28		14,916	3.57	532						
1350484 CHAR-LENE FARM IVANHOE.....*		4	19	1-51	40	3.2	12,850	4.00	514	5	44	-322	+.08	-1	-11
03-29-59 1189870 3722663 5-73					23		13,503	3.84	519						
1350613 OUKE PROUD WAYNE WOOOSIOE.....*		7	13	1-21	35	3.1	16,218	3.69	599	**	46	-228	+.08	+3	-4
11-11-58 1112211 3329918 5-73					16		16,972	3.54	601						
1350691 MAN-O-WAR B F CRESCENT MONARCH*		1	33	1-84	33	1.6	11,857	3.53	419	**	26	-139	+.03	-1	-5
01-13-59 1188731 4323927 5-73					54		12,184	3.41	416						
1350698 MAYERS OUKE OALE.....*		4	32	1-34	41	2.9	13,102	3.81	499	18	34	+56	+.06	+11	+11
03-22-59 1293580 3653611 5-73					76		12,773	3.61	461						
1350700 MAYERS MAJESTY REFLECTOR.....*		17	1	8-13,21,	18	2.3	13,775	3.63	500	**	54	-341	+.02	-10	-19
03-28-59 1298430 3309700 5-73				22,23,86	33		14,415	3.61	521						
1350788 BARTELS TREASURE BERT.....*		4	17	2-41,46	22	3.5	15,077	3.44	519	7	33	+4	-.02	-3	-2
04-19-58 1151274 3811440 5-73					12		15,141	3.51	531						
1351089 CRICKET HILL CHRISTOPHER.....*		3	39	1-21	43	3.9	14,877	3.67	546	3	32	-19	+.09	+12	+9
03-12-59 1285952 3628576 5-73					26		15,030	3.39	508						
1351102 MASSIVE HILLS WIS BURKE.....*		2	8	1-63	16	4.0	13,468	3.75	505	0	37	-336	+.08	-1	-11
12-18-58 1013415 3633769 5-73					36		14,369	3.55	510						
1351111 WIS TRADEWINO.....*		61	1	10-12,16,	69	1.6	14,348	3.44	494	**	79	-93	-.12	-21	-20
01-30-59 1189593 3650670 5-73				21,22,23	28		14,475	3.61	522						
1351112 WIS IOEAL PRINCE PAUL.....*		5	12	2-82,87	28	2.9	14,934	3.49	521	17	42	+66	-.01	+2	+4
02-04-59 933122 3612218 5-73					20		14,768	3.50	517						
1351113 WIS MEMORY CHIEF.....*		8	38	6-33,34,	72	3.1	13,767	3.88	534	16	44	-46	+.03	+3	+1
02-08-59 1283536 3977251 5-73				35,57,74	35		13,818	3.83	529						
1351258 COMMONWEALTH CSH BOMBER OANNY.		1	76	1-61	76	2.3	14,833	3.58	531	19	29	+53	-.01	0	+2
12-02-57 1159910 3730232 5-73					42		14,677	3.65	536						
1351659 BUOO FARM ROYAL FLUSH.....*		18	2	3-23,51,	24	3.0	13,032	3.72	485	20	60	-832	+.02	-27	-47
01-01-59 1336065 3414102 5-73				54	15		14,413	3.69	532						
1351661 BUOO FARM ROYAL MASTER.....*		2	115	1-34	117	2.6	12,011	3.91	470	22	30	-681	+.09	-12	-30
02-20-59 1336065 3755361 5-73					11		14,255	3.61	514						
1351769 HELBEN ROBEL GOVERNOR R A.....*		6	13	4-23,51,	23	2.7	14,109	3.40	480	20	36	+77	-.06	-6	-3
11-04-58 1024453 4259672 5-73				54,55	20		13,842	3.60	498						
1351845 SLEEPY HOLLOW PAPOOSE.....		1	15	1-93	15	1.1	18,131	3.88	702	**	20	+325	+.04	+18	+25
02-04-59 1252231 4039247 5-73					13		16,734	3.72	623						
1351863 INKA HERSHEY SEGIS.....*		1	15	1-23	15	4.4	13,133	3.78	496	0	28	-14	-.02	-3	-3
C3-07-59 1227193 3993635 9-72					9		13,054	3.91	510						
1351934 SUNNYSIOE ROBURKE RAG APPLE...*		2	14	1-35	24	3.3	16,456	3.68	605	9	36	+381	+.03	+18	+26
C1-28-59 1024453 3780372 5-73					20		15,522	3.60	559						
1351967 GOLOEN PRAIRIE INVINCIBLE.....*		1	25	1-34	25	3.6	14,383	3.64	524	25	28	-216	+.01	-6	-11
10-04-58 1056882 4109726 5-73					18		15,247	3.61	551						
1352012 NO HOME KORNOYKE MASTER.....		1	18	1-35	18	2.9	9,972	3.82	381	0	27	-486	+.03	-13	-25
C2-12-59 1292591 4162513 5-73					3		11,522	3.69	425						
1352048 RANGELOT HONEY MR X.....		1	15	1-33	15	3.1	11,695	3.69	431	**	26	+3	+.01	+1	+1
02-13-59 1257052 3844276 9-72					11		11,383	3.65	415						
1352270 GLAOELL BJTTER BOY ROYAL.....*		1	28	1-23	28	4.3	14,952	3.86	577	4	30	-15	.00	0	0
C1-10-59 1152252 3490233 5-73					9		15,075	3.87	583						
1352301 OOREIGH FARMS LUCIFER MIKE....*		2	11	1-21	19	3.3	15,545	3.56	554	7	35	+128	.00	+4	+7
C3-07-59 1276329 2815919 5-73					22		15,272	3.57	545						
1352305 HAMPS LAUXMONT ARAB.....*		11	8	3-57,61,	35	2.9	13,571	3.71	503	8	54	+146	+.05	+13	+15
C8-06-58 1253085 3523269 5-73				64	36		13,178	3.60	475						
1352344 KING STREET MARSHLAND MAESTRO.*		2	21	1-34	23	3.0	13,936	3.67	511	9	29	-217	+.02	-5	-11
C4-13-58 1253007 4844164 5-73					10		14,719	3.61	532						
1352540 CAL-CLARK COUNT ROMEO.....		1	17	1-93	17	2.0	18,772	3.57	671	**	25	-51	+.02	+1	-1
C2-27-59 1102213 4313630 5-73					80		19,492	3.51	684						
1352649 GABBERT PRINCE X MICHAEL-TWIN.		2	20	2-35,42	25	2.7	12,582	3.31	416	11	31	-84	-.05	-10	-11
C5-04-57 1189554 3058873 5-73					8		12,687	3.51	445						
1352749 GRAY VIEW C BORO.....*		19	16	4-33,35,	48	3.4	14,636	3.56	520	0	52	+165	-.05	-1	+4
02-03-59 1304384 4259601 5-73				41,42	12		14,279	3.67	524						
1352896 JOHANNA FIFI TRIUNE CHIP.....*		4	6	2-43,73	16	2.3	13,999	3.45	483	25	37	-20	-.03	-5	-5
09-29-58 1239414 4264975 5-73					18		14,019	3.55	497						
1352953 KEYSTONE IOEAL PIONEER.....*	61-02	1,194	12	28-31,33,	4,287	2.0	14,951	3.63	543	12	99	-40	+.02	+1	0
12-31-58 1013415 3473274 1-73				55,61,74	29		15,059	3.62	545						
1352965 SKOKIE WHITE MAGIC.....*		2	8	2-33,35	10	3.1	15,939	3.97	633	**	26	+248	+.04	+15	+20
11-10-58 1298378 3130668 5-73					50		15,052	3.87	583						
1352969 SKOKIE OESIGN JERRY.....*		12	22	5-21,23,	73	2.7	15,661	3.52	551	20	54	+311	-.01	+10	+18
C2-08-59 1298378 4364736 5-73				48,55,73	32		15,152	3.53	535						
1352970 SKOKIE BENEOICTION OESIGN.....*		12	2	6-13,14,	16	2.2	13,065	3.78	516	18	48	-416	+.09	-3	-15
C2-09-59 1298378 3637511 5-73				21,22,47	25		14,550	3.61	525						
1352979 SKOKIE NED BOY.....	31-07	711	7	23-31,33,	2,023	1.9	15,270	3.49	533	10	99	+725	-.15	+4	+25
04-02-59 1282185 3235818 1-73				61,74,84	28		14,550	3.64	530						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS	REC/DAU HM/DAU	HERDMATE MILK	% MILK	FAT	% FAT	1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1352991 CASH-MAR REFLECTION TRIUNE....*		25	13	11-16,21,	80	3.2	15,896	3.42	544		9	67	+1,373	-.11	+32	+68
11-07-58 1336035 4090202 5-73				32,63,73	18		13,773	3.58	493							
1353007 PASTURE LANE GOLD BURKE.....		1	26	1-34	26	5.1	16,184	3.79	614		0	31	+283	+.07	+21	+26
C3-07-59 1353259 3963600 9-72					5		15,357	3.58	550							
1353154 PENSTATE MARK STAR TY FOBES...*	23-05	195	3	3-23,51,	314	2.8	13,257	3.95	524		13	95	-519	+.18	+6	-11
C3-30-59 1157986 2569786 1-73				54	15		13,742	3.77	518							
1353254 GRENHOLM CRETE T.....		14	4	4-21,23,	25	2.3	13,557	3.85	522		13	53	-611	+.07	-13	-29
12-17-58 1285952 4346488 5-73				41,50	23		14,758	3.73	551							
1353255 KINGSTEAD PABST LINDY.....*		14	26	3-52,54,	70	3.1	14,659	3.91	573		11	51	+162	+.10	+20	+21
02-26-59 1232296 4085606 5-73				55	28		14,337	3.73	535							
1353260 SKJKIE WILLOWDALE DUKE.....*		2	10	2-33,42	12	2.1	17,890	3.58	641		8	25	+478	-.08	+6	+19
C7-06-58 1286610 4240593 5-73					59		16,136	3.88	626							
1353976 EMERALD MEADOWS LUCIFER OLIVER	41-01	429	3	6-34,41,	701	1.7	15,263	3.63	554		14	97	+623	+.04	+28	+42
C4-20-59 1470036 4407458 5-73				42,45,46	15		14,647	3.59	526							
1354228 KNOLLWOOD BONNIE LAD.....*		4	25	2-33,41	34	2.8	11,084	4.26	472	**	34		-689	+.11	-10	-29
C6-29-59 1139652 3040024 5-73					10		12,970	3.89	504							
1354289 CARNATION LANCER WINSOME.....*		2	56	2-85,91	58	2.4	13,904	3.37	469		11	29	-141	-.01	-7	-10
C6-28-59 1259047 3803415 5-73					47		14,390	3.42	492							
1354348 KEYSTONE IDEAL JULIUS.....*		12	6	3-16,21,	29	3.6	15,411	3.58	551		20	55	+375	-.04	+7	+17
10-27-58 1013415 2867331 5-73				22	22		14,773	3.66	541							
1354624 FORRESTERS MASTER FAYNE.....*		7	12	1-42	22	2.6	13,689	3.59	491		24	37	+36	-.01	0	+1
C2-13-59 1216567 3707228 5-73					33		13,502	3.63	490							
1354924 ARLINDA FORTY-NINER AMADOR....	93-02	6	76	1-93	101	2.3	15,664	3.44	539		**	36	+267	-.06	+1	+9
C2-23-59 1253917 3455889 5-73					306		14,978	3.59	537							
1354967 WILLOMONTE WISBURKE DEE GAULLE*	93-17	29	20	2-86,93	103	2.3	16,105	3.71	597		11	64	-204	+.08	+4	-3
C6-15-58 1013415 4218185 5-73					71		16,652	3.59	598							
1355003 DOT IDEAL PINKY BURKE.....*		13	11	2-52,55	45	3.3	16,336	3.43	561		10	56	+246	-.04	+3	+10
C3-30-58 1013415 3450497 5-73					21		16,066	3.49	560							
1355051 ARLINDA FORTY-NINER OEAN.....	93-05	27	14	3-82,91,	109	1.7	17,697	3.40	602		12	69	+744	-.13	+7	+28
C3-25-59 1283917 3411907 5-73				93	121		16,861	3.56	600							
1355111 ST CROIXCO PRAIRIE MARSHAL....*		4	35	2-42,46	41	2.8	15,497	3.79	587		21	31	-97	.00	-3	-5
C1-10-59 1291499 4262295 5-73					14		15,968	3.81	608							
1355610 WOODBOURNE CON-MAN.....*	31-02	160	4	15-21,31,	351	1.5	13,050	3.84	501		19	93	-1,534	+.18	-32	-73
C1-02-59 1298430 4416519 9-72				43,56,64	24		14,743	3.65	538							
1355784 THUNYMA STYLEMASTER.....	31-02	515	11	31-31,43,	1,487	2.0	15,970	3.44	549		10	97	+1,231	-.16	+19	+53
C2-20-59 1013415 4204563 5-73				55,56,71	31		14,741	3.60	531							
1355857 CRESTON COUNTOWN.....*		16	5	3-22,34,	35	3.0	12,887	3.89	501		19	60	-906	+.14	-14	-39
C2-12-59 1276048 3590068 5-73				55	18		14,399	3.66	527							
1356174 OLSUMMIT MARATHON BURKE JIM...*		3	28	1-21	35	3.5	14,780	3.88	574		18	33	-198	+.08	+4	-3
C3-08-59 958544 2870042 5-73					57		15,487	3.66	567							
1356229 KENLAWN ARISTOCRAT HOPE.....		6	11	3-21,23,	29	2.5	11,232	3.82	429		32	44	-396	+.09	-2	-14
C1-24-59 1124780 4204346 5-73				41	19		11,892	3.59	427							
1356908 MARCELLUS EDNACHESTER PONTIAC.*		6	3	1-21	10	3.0	13,664	3.49	477		**	34	-223	-.01	-9	-14
12-16-58 1241458 3764927 1-73					13		14,312	3.53	505							
1357002 SLEEPY HOLLOW ROYALIST.....		2	15	1-93	17	2.6	18,785	3.65	686		**	27	+332	-.03	+7	+16
04-07-59 1252231 2661996 5-73					106		17,901	3.77	674							
1357092 EASTHAVEN REPRIDE.....*		9	4	2-32,63	17	3.7	16,245	3.74	608		12	45	+510	+.02	+22	+33
C2-22-58 984799 4168652 5-73					19		15,199	3.70	563							
1357120 FILBERT RAVEN BURKE WINDELL...*		3	20	3-51,55,	29	2.6	13,140	3.76	494		4	33	-487	+.03	-14	-26
C2-20-59 1113350 4046256 5-73				61	20		14,625	3.71	542							
1357287 COOPER VALLEY CREAMELLE R A...		1	25	1-73	25	3.4	14,324	3.41	488		**	28	+283	-.04	+4	+12
C2-08-59 1024453 4139296 5-73					10		13,207	3.54	467							
1357308 EDGEHILL TREASURE KIT.....*	31-02	534	12	28-31,43,	2,226	1.7	14,504	3.76	546		14	98	-581	+.15	0	-18
C6-11-58 1028260 4681433 5-73				56,57,93	34		15,176	3.62	549							
1357317 LAVACRES CHAL CONCERT-TWIN....*		14	4	3-84,91,	32	2.1	14,858	3.59	534		**	58	-1,250	+.04	-40	-71
C2-25-59 1253140 3646196 5-73				93	58		17,298	3.55	614							
1357413 ATHENS BURKE IDEAL.....*		4	34	2-31,56	40	2.9	12,045	3.45	415		4	32	-136	-.01	-6	-9
C1-23-59 1013415 3419527 5-73					23		12,260	3.49	428							
1357442 ST CROIXCO PRAIRIE MODEL.....		15	20	2-41,45	56	3.7	15,289	3.73	571		2	52	-33	+.01	0	-1
C4-24-59 1291499 4206247 5-73					15		15,462	3.74	578							
1357608 SHAWS PILOT OUNLOGGIN.....*		7	4	3-13,16,	16	3.4	14,316	3.64	521		**	45	+35	-.01	0	+1
C4-30-59 1287412 3997809 5-73				21	15		14,221	3.66	520							
1357762 TIDY BURKE TITUS.....*		17	15	3-48,73,	60	2.8	14,898	3.49	520		19	57	-93	-.05	-10	-11
C9-03-58 1226852 4525713 5-73				74	15		15,137	3.57	541							
1357797 BILLVER OLIVER KING.....*	35-03	246	6	25-23,35,	660	2.3	15,688	3.91	613		11	96	+546	+.23	+54	+61
C1-29-59 1051147 4173854 1-73				41,51,52	21		15,201	3.69	561							
1357807 WEAVERS FONO PAUL.....*		6	2	2-63,64	10	3.0	12,415	3.65	453		14	37	-99	+.02	-1	-4
C4-21-57 0102123OO 0109318O1 5-73					8		12,498	3.62	452							
1357887 U NEVADA WIS BURKE ALE.....	35-21	110	4	8-35,41,	156	1.9	14,981	3.50	524		14	87	+133	-.12	-13	-7
12-05-58 1013415 4125016 5-73				42,43,87	16		14,876	3.64	542							
1357972 MOOKDWN AUTHOR BILL.....*		19	16	6-14,16,	70	3.0	14,813	3.43	508		8	61	+198	-.05	0	+6
C3-11-59 0102495O0 3865505 5-73				32,34,74	22		14,498	3.51	509							
1357977 IDEAL TIDY HAZELWOODER.....*		2	12	1-74	18	2.2	13,104	3.30	432		**	31	-200	-.03	-11	-15
C1-11-59 1286294 3883080 5-73					58		13,686	3.39	464							
1358005 WIS SYMBOL PRIDE.....	23-13	396	3	9-21,22,	690	1.9	15,182	3.42	528		11	97	+450	-.22	-16	+1
C8-04-59 1189593 3279882 1-73				23,51,93	22		14,754	3.72	549							
1358040 EL-KATRINA VAR CA88Y.....		1	84	1-93	84	1.9	16,136	3.65	589		**	29	+35	+.04	+7	+7
C3-26-58 1217938 3759126 5-73					29		16,195	3.51	568							
1358209 WHISPERING CEDARS LUCIFER KING*		13	3	2-23,51	24	3.1	13,143	3.71	487		33	57	-673	-.03	-28	-43
C4-11-59 1276329 3449876 5-73					12		14,313	3.77	540							
1358275 ROCK RIVER DOUBLE GEWINA.....*		10	9	3-35,52,	34	2.8	14,276	3.54	506		11	52	-42	-.03	-6	-6
C6-28-59 1265166 3160755 5-73				73	16		14,355	3.62	519							
1358319 BOND HAVEN CENTURION MARK.....*		14	15	3-21,23,	77	3.5	15,188	3.36	510		4	64	-37	-.13	-20	-18
C6-11-58 0102393O1 0105938l6 5-73				57	21		15,343	3.55	545							

REGISTRATION NUMBER / NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES WITH MOST DAUS	DAUGHTERS AND HERDMATES ... DAUS HM/DAU	REC/DAU HERDMATE	MILK	%	FAT	% 1ST INC	% REPT	PREDICTED DIFFERENCES MILK	%	FAT	$$
1358563 COMMONWEALTH KSH LONDON LAD...*		6	14	1-61	32	2.8	13,488	3.70	499	33	43	+68	-.01	+1	+3
11-05-58 1174281 3298860 5-73					31		13,210	3.73	493						
1358564 COMMONWEALTH KHR INKY CHIEF...		2	40	1-61	77	1.5	13,899	3.60	501	27	40	+133	-.02	+2	+6
C2-04-59 1207281 4099560 5-73					31		13,470	3.67	494						
1358647 PABST ADMIRATION.....*	91-11	152	3	25-21,34,	232	2.8	14,089	3.71	522	11	93	-586	+.08	-10	-26
12-10-58 1152252 3375453 9-72				35,41,42	25		14,759	3.62	535						
1358798 MIL-ROB PEARL DANDY.....		15	2	4-35,41,	19	2.2	12,584	3.52	443	18	54	-308	-.04	-17	-23
10-10-58 1290068 4052181 5-73				42,48	23		13,023	3.62	472						
1358823 SKOKIE MARATHON BOY.....*	23-11	803	4	8-16,21,	1,924	2.7	14,301	3.72	532	10	99	-185	+.01	-5	-10
05-22-59 1282185 2872217 5-73				22,23,31	19		14,500	3.72	540						
1359295 CLOVERLYN TAYLAKER LEADER.....*		3	7	2-91,92	10	5.0	12,710	3.60	457	**	31	-461	+.02	-14	-25
02-18-59 1150470 3634813 5-73					18		14,190	3.56	505						
1359467 TRASKDALE ADANA DUKE LEADER...*		6	45	1-21	54	3.0	17,686	3.34	591	12	33	-96	-.02	-6	-8
11-08-58 915940 4404136 5-73					13		18,377	3.39	623						
1359643 S H ADMIRAL GOLDEN DEWDROP....*		3	4	2-55,63	10	2.8	11,352	3.71	421	**	31	-463	+.04	-11	-23
08-21-57 1174330 4137159 1-73					17		12,695	3.56	452						
1359664 MIDLAND VROUKA RETT.....	93-03	5	16	1-93	39	2.3	15,511	3.70	574	20	44	-257	+.06	-1	-9
C5-20-59 1139386 4042047 5-73					180		16,291	3.59	585						
1359769 GRAY VIEW SKYREFLECTOR.....*	86-02	12	6	2-86,93	38	2.3	14,192	3.61	513	14	57	-613	+.10	-9	-26
04-04-59 1298430 4204805 9-72					76		15,373	3.46	532						
1359798 CARNATION ROYAL TALENT.....*	91-11	54	1	10-33,35,	63	3.0	14,584	3.59	523	6	81	+175	-.04	+1	+6
07-28-59 1305460 3769610 5-73				41,42,87	20		14,365	3.63	522						
1359828 LAVACRES DUSTY DALE.....		2	14	1-93	16	3.0	19,412	3.68	714	0	28	+429	-.01	+14	+24
08-27-59 1205185 4391164 5-73					49		18,254	3.71	678						
1360006 FOX CHASE ROYAL LYONS.....*		1	31	1-23	31	2.8	13,399	3.66	490	0	29	+11	-.02	-2	-1
04-01-59 1172967 2899626 5-73					47		13,246	3.77	499						
1360105 COVA MORELAND HYMAN.....		2	13	1-52	20	2.5	11,176	3.48	389	**	32	-513	-.02	-21	-33
04-29-59 1114762 4258019 5-73					6		12,588	3.57	449						
1360201 UNH GOLDEN SCHOOLMATE-TWIN....*		44	1	20-21,23,	50	1.8	14,412	3.57	515	**	74	+243	-.01	+8	+14
08-25-59 1181068 2874989 5-73				31,34,52	50		14,049	3.57	502						
1360414 TRASKDALE WIS RAVEN LEADER....*		3	6	2-21,93	12	3.5	12,642	3.45	436	**	33	-334	-.01	-13	-21
C2-02-59 915940 4259717 5-73					44		13,574	3.50	475						
1360466 NORTH CREST CRAFTSMAN SENATOR.*		2	42	1-48	44	2.6	13,792	3.40	469	22	30	-215	+.01	-7	-12
C1-02-59 1282212 3782787 5-73					18		14,535	3.38	492						
1360507 RAG APPLE WEEJOE JACK.....*		2	7	2-31,34	13	1.9	13,423	3.47	466	0	29	-334	-.01	-14	-22
03-25-59 976710 3987965 1-73					19		14,590	3.54	517						
1360517 ALTEX ELSIE BLACK JOHN.....*		5	14	1-74	25	2.0	15,905	3.47	552	0	35	+665	-.01	+23	+39
C7-27-59 1150470 4121259 5-73					22		13,985	3.45	483						
1360691 MISCHIEF ROSEHAVEN BENEFACTOR.		1	39	1-41	39	3.5	14,215	3.65	519	5	30	-13	+.04	+3	+4
10-11-58 1132684 4215842 5-73					13		14,248	3.52	502						
1360715 OSAGE CLYDE HILL FAVORITE-TWIN*		2	7	1-43	11	1.6	11,536	3.19	368	**	25	-562	-.03	-24	-37
C9-28-58 1158310 4052015 9-72					14		13,680	3.36	459						
1360771 ALDERHURST PICA MASTER.....*		12	9	4-31,32,	36	3.5	15,383	3.73	574	18	55	+78	+.05	+10	+11
05-05-59 1121706 3658081 5-73				33,34	15		15,336	3.65	560						
1360881 BLACK STAR ROCK.....		2	75	1-93	77	2.3	14,504	3.43	498	11	30	-218	-.03	-12	-16
10-14-58 1258015 3160794 5-73					93		15,326	3.54	543						
1361C65 GLENAFTON RAG APPLE HIGHLIGHT.*	35-03	387	8	22-33,35,	1,421	2.7	13,814	3.89	538	12	98	-724	+.23	+5	-18
C2-13-59 010239301 010723716 1-73				63,65,74	19		14,572	3.66	534						
1361167 WILLOW TERRACE IMPERIAL BEN...*		5	10	2-21,61	17	4.4	13,773	3.53	486	0	35	-32	-.03	-6	-6
C4-08-59 1302627 3875759 5-73					22		13,807	3.65	504						
1361333 AOJHR GOLDEN BUTTONS.....*		24	9	6-23,50,	111	2.9	13,718	3.50	480	12	78	-575	-.16	-43	-53
C4-24-59 1215448 3223356 5-73				51,54,55	51		14,464	3.73	539						
1361373 MOULTON TWI SOVEREIGN BRUCE...*		1	38	1-54	38	2.0	10,954	3.74	410	15	27	-117	+.02	-1	-4
C9-13-59 1221082 3292481 5-73					29		11,052	3.69	408						
1361796 MIESER LOCHINVAR.....*		8	16	1-34	31	3.3	16,442	3.45	567	4	41	+236	-.04	+2	+9
09-30-58 1263007 3507109 5-73					13		16,031	3.53	566						
1362214 YOKOHL MAGIC.....		1	18	1-93	18	1.2	15,695	3.81	598	**	22	-230	-.02	-10	-14
07-08-59 1138451 3335572 5-73					31		16,874	3.94	665						
1362217 YOKOHL IDEAL ROSE.....		1	18	1-93	18	2.0	17,086	3.59	614	**	25	-306	+.01	-9	-17
C8-14-59 1150470 3912930 1-73					74		18,747	3.56	668						
1362327 JOE LODESTAR FACTOR.....*		23	9	4-23,50,	48	2.7	14,939	3.55	530	5	59	+306	-.05	+3	+12
C8-08-58 010249530 010871199 5-73				51,55	17		14,425	3.65	526						
1362374 JALCO BURKE PAL.....		1	14	1-13	14	3.7	12,272	3.63	445	8	25	-228	-.01	-9	-14
C9-18-59 1150470 4042922 5-73					16		13,040	3.69	481						
1362819 WISOF KING DELVIN-TWIN.....*		8	34	6-34,35,	58	2.6	13,535	3.81	516	0	40	-64	.00	-3	-4
C4-26-59 1234490 4151520 5-73				43,57,74	31		13,621	3.86	526						
1362826 WISOF BLACKIE DEL.....*		2	13	2-35,74	15	2.9	13,379	3.80	509	**	27	-113	+.03	0	-3
C9-03-59 1317558 4411769 5-73					46		13,738	3.71	510						
1362884 CAMDEN KING FOBES.....		1	35	1-52	35	2.7	11,119	3.35	373	11	28	-244	-.02	-12	-17
C4-12-58 1293220 3191777 5-73					5		11,734	3.48	408						
1363088 COTTONWOOD COSMOPOLITAN.....*		4	6	1-93	11	3.7	13,879	3.63	504	0	32	-810	+.04	-24	-44
C5-26-59 1209531 3428964 5-73					41		16,673	3.54	591						
1363175 FOBES COLRIDGE ATHLONE.....		4	6	1-84	16	1.8	12,183	3.46	421	**	36	-448	+.02	-14	-25
08-24-59 1210078 4554428 1-73					29		13,343	3.43	458						
1363196 SANDSOALE FOND REFLECTOR.....*		20	8	2-21,23	50	3.3	15,059	3.83	577	4	64	-75	+.10	+12	+8
11-10-58 1298430 4434207 5-73					17		15,264	3.69	563						
1363256 TIOY MOSE-TWIN.....*		4	12	2-23,48	19	2.5	13,410	3.44	461	0	33	+35	-.02	-2	-1
09-16-59 1300014 3869984 5-73					17		13,184	3.53	466						
1363284 PAGANOK SIR SHIRLEY FOREMOST..*		2	31	1-43	33	3.7	13,280	3.62	481	14	31	-200	+.03	-3	-9
C9-17-59 1170426 3287529 5-73					23		13,885	3.55	493						
1363314 COCHRAN GENERAL PAUL.....*		2	71	1-21	75	3.3	15,331	3.48	533	4	32	-157	+.03	-1	-6
04-27-59 1215402 4067130 5-73					33		15,984	3.38	541						
1363367 MIDLAND MAGIC MAGISTRATE-TWIN.		2	68	1-93	70	1.4	14,942	3.97	593	**	27	-146	+.04	0	-4
09-25-59 1138451 3703970 5-73					20		15,615	3.87	604						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS	REC/DAU HM/DAU	MILK HERDMATE	% MILK	FAT %	FAT	% 1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1363393 HAYSSEN D V IMPERIAL.....	41-01	158	4	6-35,41,	317	1.5	15,559	3.57	556	12	93	+720	-.02	+23	+41
09-20-59 1309948 3724358 5-73				42,45,46	16		14,826	3.60	533						
1363432 ELDERNJTCH ROAMER OLEN.....	21-01	53	1	2-13,21	56	3.1	13,907	3.77	524	16	79	-544	+.16	+2	-15
07-29-59 1102436 3765603 5-73					22		14,619	3.57	522						
1363530 LOCVALE M C GOVERNOR-TWIN.....*		3	35	1-51	39	4.1	14,446	3.85	556	3	33	+70	.00	+2	+4
02-27-59 1025902 3796941 5-73					49		14,213	3.90	554						
1363665 DELFKES RAG APPLE.....*		10	13	1-41	37	3.3	13,765	3.56	490	25	48	-450	-.03	-20	-30
11-23-58 1156359 2973623 5-73					12		14,745	3.63	535						
1363669 SKOKIE DUKE REGENT.....*		10	7	2-22,34	27	3.0	15,141	3.57	540	17	50	-106	-.02	-6	-8
09-25-59 1288610 4139081 5-73					25		15,463	3.61	558						
1364058 LONDALE PILOT BILL.....*		3	4	1-21	11	3.3	12,629	3.58	452	0	36	-88	-.01	-4	-6
08-11-59 1094305 3497072 5-73					15		12,713	3.61	459						
1364241 BAYFIELD SUN ROBES LAD.....*		16	15	5-11,12,	42	3.1	14,865	3.59	534	18	49	-80	-.01	-5	-7
09-15-59 976710 3772366 5-73				13,16,21	28		15,104	3.64	550						
1364198 ROGO SKOKIE LEADER RUDY.....*		1	19	1-33	19	2.8	15,573	4.01	625	7	26	-141	+.04	+1	-3
06-26-59 1216957 3941808 5-73					11		16,309	3.88	632						
1364243 CORLAN FARMS IVANHOE PIONEER..	31-07	425	7	19-33,35,	1,254	1.9	14,565	3.59	523	13	98	-246	+.01	-8	-14
09-25-59 1189870 2939718 1-73				52,55,61	25		14,865	3.59	534						
1364341 WINCOWIS MUTUAL CAPTAIN ORMSBY*		15	24	4-41,42,	51	3.6	15,419	3.44	530	7	46	+310	-.04	+5	+13
12-15-58 1144239 3459670 5-73				52,64	12		14,787	3.50	518						
1364359 LARRO MAGICIAN BROOKSIDE.....		6	26	1-42	54	2.5	12,223	3.62	442	0	43	-400	+.04	-9	-20
11-16-58 1138451 3963925 5-73					5		13,608	3.54	460						
1364465 HEJERS ORMSBY PAYMASTER.....*		1	13	1-41	13	3.1	13,203	3.52	465	**	25	-59	-.01	-4	-5
10-25-59 1271075 3616720 9-72					10		13,340	3.61	481						
1364568 LANGE LEADER MODEL.....*		4	45	1-21	56	4.0	13,147	3.37	443	2	36	-193	-.05	-14	-17
11-12-58 915940 4435759 5-73					18		13,613	3.53	480						
1364593 R-HALES CHIEF CURTISS.....*		1	16	1-74	16	3.4	13,863	3.74	518	**	27	+95	+.02	+6	+8
07-28-59 1249430 3321383 5-73					24		13,414	3.69	495						
1364780 BELLE MEADE BURKE SILVER TIDY.		4	43	1-52	49	2.5	14,721	3.73	549	**	31	+133	+.02	+7	+10
12-30-58 1340619 4908588 5-73					26		14,285	3.69	527						
1364796 FILBERT MAGICIAN BON NEODIE...*		12	5	5-23,51,	34	2.6	13,530	3.66	495	10	58	-191	-.01	-8	-12
10-26-59 1138451 4219352 5-73				52,56,61	26		13,802	3.69	509						
1364918 H S F WALLO ECHO.....*		6	25	3-21,22,	34	2.0	12,106	3.34	404	**	32	-89	-.03	-7	-8
03-18-59 1288105 3752067 5-73				23	12		12,162	3.45	420						
1365055 ROUND OAK GAY ENCHANTER.....*		1	15	1-52	15	3.6	14,424	3.98	560	20	26	-276	+.07	0	-8
05-12-59 1294924 3767147 5-73					8		15,627	3.65	570						
1365058 LANGE ROYAL ROSE.....	35-21	513	6	12-35,41,	1,121	1.9	14,810	3.51	520	15	98	+450	-.12	-2	+12
06-14-59 1305460 4050151 9-72				42,43,47	18		14,344	3.65	524						
1365141 WIS MOOSEHEART DIRECTOR.....	35-21	578	4	18-35,41,	1,130	1.5	14,723	3.65	537	11	98	-253	-.01	-11	-17
10-25-59 1292880 3373777 5-73				42,43,47	18		15,048	3.67	553						
1365173 TEEQUE PRO KING.....*		3	12	1-57	17	2.2	14,413	3.67	529	0	30	-101	+.01	-2	-5
09-08-59 1139153 2672960 5-73					38		14,793	3.65	540						
1365318 MAGGIE CHIEFTAIN FLOOD.....*		3	6	2-61,93	12	2.6	12,939	3.52	455	**	33	+6	+.01	+1	+1
10-22-55 950444 3379488 5-73					48		12,758	3.48	444						
1365341 BURKGOW HEILO BELLE.....	35-21	831	5	19-35,41,	1,999	1.7	15,870	3.61	573	11	99	+1,233	-.04	+38	+69
02-09-59 1038509 3999292 5-73				42,43,47	21		14,646	3.66	536						
1365388 CARNATION IDEAL METEOR.....	91-11	13	12	3-35,91,	55	2.7	14,367	3.57	513	5	58	-543	+.05	-12	-26
10-24-59 1175596 2866887 5-73				93	16		15,434	3.49	538						
1365400 CARNATION BUTTER BOY WORTHY...*		8	16	2-31,34	58	2.2	15,146	3.41	516	6	54	+519	-.10	+4	+19
09-28-59 1152252 3010586 5-73					36		14,152	3.59	508						
1365459 SHANGHIGH EXEC BUD PILOT.....		3	19	1-31	26	3.2	12,635	3.66	440	0	34	-330	+.02	-9	-17
07-02-59 1094305 3606307 5-73					20		12,867	3.60	463						
1365462 SHANGHIGH EXEC TOPPER WILLIE..*		2	21	2-31,63	23	3.3	13,474	3.58	482	13	29	-17	.00	0	-1
03-03-59 1270830 3606305 5-73					42		13,440	3.56	479						
1365701 NORCLIFF CHALLENGER.....*		2	42	2-57,86	44	2.1	15,451	3.47	537	**	27	+218	-.01	+6	+12
07-14-59 1318751 4182941 5-73					123		14,684	3.50	514						
1365741 K-L-FARM IDEAL POSCH.....*		7	20	4-32,35,	31	3.0	15,541	3.45	536	20	35	-17	-.02	-3	-3
03-29-59 1113350 4113555 5-73				41,64	16		15,725	3.50	551						
1365908 MAVIEW SIR MAPLE FOREMOST.....*		17	12	6-11,12,	47	2.7	15,602	3.85	600	27	54	-115	+.07	+6	+1
10-15-59 1170426 2978190 5-73				14,15,16	31		15,974	3.74	597						
1365941 LOCKWAY AIRLAND LUCIFER.....*		2	23	1-23	27	3.6	10,935	3.77	411	33	30	-367	+.06	-5	-15
12-17-58 1155012 4296554 5-73					15		11,676	3.54	420						
1366011 EXRANCO EL TORO.....	93-03	89	66	5-43,86,	1,061	1.6	17,964	3.66	657	13	85	+895	+.06	+42	+62
09-17-59 1032011 3816768 1-73				91,92,93	88		17,194	3.59	617						
1366097 LACHUT MONTVIC COUNT.....*		7	32	1-12	45	3.2	15,543	3.55	551	12	36	+176	-.03	+2	+7
10-21-59 1265166 4125089 5-73					10		15,134	3.61	547						
1366114 KINGSTEAD PABST JEWEL.....*		4	28	1-47	48	2.4	14,477	3.38	490	22	38	+122	-.06	-5	0
05-06-59 1232296 3787096 5-73					28		14,133	3.56	503						
1366221 ELKLAND TOBY DICTATOR.....*		4	6	3-35,41,	11	1.5	14,159	3.73	528	**	26	-189	+.01	-5	-10
02-05-59 1279051 3686505 5-73				56	28		14,933	3.72	556						
1366229 LOCKWAY SOVEREIGN LUCIFER LAD.*	35-21	1,173	7	37-23,35,	3,667	1.7	15,344	3.79	582	13	99	+144	+.13	+24	+24
12-18-58 1155012 3330455 5-73				41,42,47	21		15,288	3.68	562						
1366238 EOGEMAR MAGIC FIFTY NINER.....	93-17	6	304	1-93	331	2.6	17,365	3.75	652	10	33	+55	+.06	+11	+11
06-27-59 1138451 3899804 5-73					124		17,509	3.66	631						
1366499 DISTINCTION MASTER SIS.....*		7	23	2-33,35	35	3.5	13,925	3.69	514	10	38	-318	-.06	-20	-26
11-13-59 1305460 3083051 5-73					17		14,817	3.88	575						
1366696 PAGANOK FAVORITE VERSA-TWIN...*		7	3	3-43,71,	12	2.0	14,853	3.51	522	38	37	-131	+.03	0	-4
11-14-59 1303826 4040105 5-73				73	12		15,303	3.43	525						
1366900 WOODY PARADER CHAMPION.....*		7	13	1-32	27	2.3	16,079	3.32	534	13	39	+690	-.09	+12	+31
09-08-59 1303371 4391067 5-73					23		14,280	3.51	501						
1366901 ROSCOE CHAMPION ROSE.....*		4	7	1-32	12	3.0	10,946	3.83	419	0	31	-470	+.04	-12	-24
11-24-59 1303371 4521953 5-73					10		12,252	3.70	453						
1366914 JAN-AR MAGIC RETRIEVER.....*		10	15	2-31,64	57	2.7	15,101	3.42	516	8	56	+125	-.10	-10	-4
08-27-59 1138451 3101727 5-73					16		14,930	3.60	537						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HO	STATES NO- WITH MOST DAUS	...DAUGHTERS AND HEROMATES... DAUS HM/DAU	REC/DAU HEROMATE	MILK	%	FAT	1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1366933 HILLSIDE SUPER8.....*	51-02	70	9	5-22,23,	129	2.3	14,333	3.95	566	14	79	-300	+.19	+16	+4
D6-20-59 1298430 3846713 5-73				51,52,54	28		14,750	3.72	549						
1367C14 DOREIGH FARMS NOEL LUCIFER....*		14	3	1-21	24	2.3	15,882	3.76	597	D	55	-60	+.05	+5	+2
11-10-59 1315498 2734352 5-73					26		16,171	3.69	596						
1367D27 MACSFARM ECHO DICK GENERAL....*	63-02	20	7	1-63	44	3.0	13,272	3.69	490	13	61	-228	+.06	0	-7
D7-13-59 1227400 3121956 5-73					20		13,562	3.58	486						
1367271 PREVIEW REBURKE STARLIGHTER...		5	7	2-34,43	16	1.5	13,064	3.74	488	17	32	+37	.00	+2	+3
11-17-59 1112211 4322963 1-73					9		12,788	3.74	478						
1367350 RAGNEL CURTISS.....		3	8	2-21,46	16	1.8	12,426	3.57	444	36	32	-440	+.02	-13	-24
12-04-58 934577 3872801 5-73					13		13,724	3.53	464						
1367353 THONYMA ROYAL PRINCE.....*	31-02	548	8	39-21,31,	1,480	1.8	15,658	3.67	574	11	98	+153	+.05	+13	+15
07-15-59 1113350 4240668 5-73				43,48,56	30		15,625	3.62	565						
1367840 HAWTHORN SARACEN.....		4	18	3-21,33,	35	1.9	12,701	3.33	423	15	38	-122	-.05	-12	-14
10-10-59 1326250 2949599 5-73				57	62		12,874	3.50	451						
1367925 STERLINGOALE LEADER LOUIE.....	35-75	607	6	39-21,35,	1,084	2.3	14,160	3.72	527	12	98	-518	+.11	-3	-18
03-16-59 915940 3890094 1-73				41,55,58	35		14,724	3.61	532						
1367981 MAVIEW LAIRO PILOT.....*	21-10	176	3	8-13,14,	294	2.6	14,650	3.75	549	14	94	-185	+.05	+1	-5
10-05-59 1142734 4001287 9-72				15,16,57	24		14,898	3.70	551						
1368057 HAROEN FARMS DUKE ABE PA8ST...*		4	31	1-21	63	3.3	16,499	3.74	617	8	45	+354	-.01	+11	+20
C4-22-59 1112211 3564323 5-73					83		15,864	3.79	602						
1368176 ALLENBY ORMSBY PETE-TWIN.....*		2	20	2-35,41	22	3.1	13,959	3.79	529	5	29	-125	+.02	-1	-5
11-23-58 1227420 3097698 5-73					57		14,388	3.73	537						
1368201 OKLASTAPEN BEAUTY GOVERNOR....*		3	44	1-73	48	2.7	14,281	3.47	496	33	30	-295	.00	-10	-17
C9-08-59 1314062 4199740 5-73					44		15,377	3.47	534						
1368233 MAYERS OUKE BLACKIE.....*		2	33	1-35	42	4.1	11,915	3.78	450	11	35	-431	+.05	-8	-20
07-29-59 1293580 3956699 5-73					21		13,002	3.63	472						
1368237 MAYERS OUKE OARK MASTER.....*		7	15	4-35,61,	25	3.8	14,889	3.60	536	D	38	+98	+.02	+5	+8
C9-12-59 129358C 4416619 5-73				63,65	20		14,659	3.55	520						
1368243 MAYERS OUKE KING JOHN.....*		6	26	3-35,42,	38	3.4	12,741	3.48	443	13	37	-6	-.04	-6	-5
10-07-59 1293580 4650611 5-73				52	12		12,579	3.62	455						
1368249 MAYERS OUKE LESTER.....*		1	22	1-35	22	3.5	12,346	3.77	466	24	28	-415	.00	-15	-25
12-02-59 1293580 3784070 5-73					18		13,774	3.80	524						
1368257 GREEN-TOP MAYERS BUTTERBOY....*		15	7	2-35,65	35	3.6	14,681	3.59	527	17	57	-150	-.03	-9	-12
10-18-59 1152252 4386831 5-73					15		15,008	3.64	547						
1368263 MAN-O-WAR B F CRESCENT ANOY...*		7	6	3-13,21,	22	4.1	13,574	3.29	447	18	48	+92	-.11	-13	-8
07-30-59 1138731 4038418 5-73				35	23		13,272	3.55	471						
1368319 LAVACRES DUSTY CORKY.....	92-01	27	2	3-87,91,	35	3.0	13,865	3.67	509	14	69	-374	+.05	-14	-29
12-14-59 1205185 3948865 5-73				92	16		14,729	3.61	532						
1368353 PRAIRIE ROSE CHARLIE.....		18	2	5-31,43,	28	1.8	15,425	3.65	563	12	60	+334	+.01	+13	+21
09-08-59 1258764 3945944 5-73				55,56,57	17		14,926	3.64	544						
1368406 HOME CREST SANORA MI PRINCE...*		4	9	3-33,42,	16	2.3	12,774	3.92	501	**	32	-141	-.01	-6	-9
02-16-59 1113734 4024012 5-73				55	15		13,092	3.99	522						
1368526 WHITE STAKE SKOKIE OUKE TOPPER*		9	11	1-21	30	2.1	13,515	3.31	447	**	44	-407	-.05	-21	-30
12-22-58 1298377 3294635 5-73					12		14,458	3.42	494						
1368587 PASTURE LANE LEADER.....*		5	15	1-34	22	3.3	15,096	3.77	569	13	34	-46	.00	-2	-3
11-06-59 1150470 3616399 5-73					5		15,330	3.81	584						
1368763 UNH BURKE IDEAL GRADUATE.....*	21-10	2,139	5	19-11,12,	5,142	2.0	15,754	3.42	538	14	99	+240	-.14	-12	-3
C6-14-59 1113350 4031317 9-72				13,21,23	24		15,637	3.55	555						
1368793 PABST CAPTAIN OEAN.....*		21	38	3-23,61,	148	2.4	15,672	3.62	567	11	60	+673	-.02	+22	+38
10-15-59 1144239 3365310 5-73				63	32		14,570	3.65	532						
1369009 RAINBOW CONSTANT 20.....*		2	27	1-34	29	4.1	12,710	3.45	438	4	31	-92	.00	-3	-5
D8-05-59 1319457 3513346 5-73					10		12,856	3.46	445						
1369130 CAROLDALE OUKE.....*		10	35	3-31,64,	54	3.9	13,210	3.58	473	6	40	+5	+.01	+1	+1
09-28-59 1112211 3166394 5-73				65	23		13,065	3.57	466						
1369144 CLYDE HILL CORONA ORMSBY FAY..*		6	35	4-32,43,	83	2.5	13,921	3.77	525	5	49	+119	.00	+5	+8
08-15-59 1236901 3700351 5-73				48,74	41		13,595	3.78	514						
1369264 MERCEDES MABEL PEARL KARMA....		6	35	1-48	64	2.9	12,708	3.40	432	6	44	+245	-.06	0	+7
10-25-59 1329476 4532275 5-73					6		11,896	3.56	423						
1369321 LOCUST BROOK R A PETER-TWIN...*		1	22	1-21	22	3.6	14,915	3.49	520	0	28	-19	.00	0	-1
C3-28-59 1251307 3148460 5-73					34		15,052	3.48	524						
1369404 SHUR-POLL BURKE ORMSBY P.....*		17	15	5-50,52,	46	3.0	13,831	3.80	525	0	51	+314	+.04	+17	+23
01-06-58 1229660 3163485 5-73				55,56,58	15		13,081	3.74	489						
1369480 AL-LOU-JAN RAVEN OUNLOGGIN....		4	28	1-93	34	3.4	15,584	3.83	597	18	33	-334	+.09	+1	-9
C7-15-59 1113350 3654690 5-73					19		16,850	3.58	603						
1369497 M V B A BENEFACTOR GENERAL....	41-01	97	2	5-34,41,	122	2.7	13,901	3.69	513	7	68	-123	+.07	+6	+1
C5-31-59 1132684 3870587 5-73				42,45,46	14		14,003	3.61	505						
1369664 ALTEX IDEAL.....*		2	19	1-74	23	2.7	14,379	3.48	501	0	30	+174	-.02	+4	+9
C9-03-59 933122 4121255 5-73					26		13,734	3.53	485						
1369796 MIRIBROOK CHAMPION PONTIAC....*		2	11	1-51	17	2.5	13,803	3.88	536	19	31	-313	+.05	-4	-13
C2-26-59 1024856 3001047 5-73					81		14,855	3.74	556						
1369860 IDEOGRAPH REFLECTOR TOPSY.....*		3	5	2-82,83	10	1.9	15,288	3.60	551	17	28	+84	+.02	+6	+7
01-06-60 129843D 3691687 5-73					14		15,049	3.52	529						
1369903 TIDY BURKE PEARL LARRY.....*		6	23	1-35	40	3.0	16,535	3.30	546	7	40	+152	-.09	-8	-2
11-22-59 1212740 3529600 5-73					11		16,349	3.52	575						
1369958 SHAWS SCHOOLMASTER TIDY CRETE.	21-10	452	6	8-13,14,	1,014	2.8	14,735	3.80	560	10	98	-249	+.11	+7	-2
11-20-59 1181068 3037363 5-73				15,16,21	24		15,058	3.70	557						
1370133 IDEAL GYPSIE BUTTER BOY.....*		13	2	3-41,45,	19	3.3	12,994	3.67	477	**	54	-348	+.05	-6	-15
C1-15-60 1152252 4097386 5-73				46	18		13,556	3.59	487						
1370173 GREEN MEADOW REWARD PRIDE.....	35-21	452	4	11-35,41,	894	1.6	14,514	3.66	531	10	97	+294	+.01	+12	+19
09-08-59 1303180 4172040 9-72				42,43,47	15		14,192	3.66	519						
1370182 IDEAL OYKES MUTUAL SEVENTEEN..		1	26	1-74	26	2.7	15,806	3.16	499	5	28	+220	-.03	+4	+10
D7-28-59 1350660 4001518 5-73					10		15,084	3.20	482						
1370264 CHURCH FARM R A STARLIGHT.....*		8	15	2-42,43	31	2.6	11,467	3.70	424	15	41	-251	+.01	-8	-14
C3-02-59 1136157 3000595 5-73					47		11,831	3.69	437						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS	REC/DAU HM/DAU	MILK HEROMATE	% MILK	FAT %	1ST REPT MILK	1ST REPT FAT	% INC	PREDICTED DIFFERENCES % MILK	% FAT	$$
1370367 REDFIELD PRINCE BETTINA ODN...*		2	9	1-45	12	3.8	15,066	3.71	559	20	29	-312	+.02	-8	-16
12-06-59 1245176 3957695 5-73					11		16,332	3.66	597						
1370467 RAVENGLEN SHAMROCK TRIUNE.....*		3	22	1-35	26	3.4	16,403	3.60	591	4	32	+208	-.03	+3	+9
01-12-60 1320727 3534305 5-73					7		15,894	3.71	589						
1370469 RAVENGLEN CITATION TRIUNE.....*		24	8	12-32,33,	64	3.1	14,764	3.36	496	2	70	+367	-.12	-4	+8
08-30-59 1297169 4658933 5-73				35,63,91	18		14,222	3.52	501						
1370471 RAVENGLEN ADMIRAL TRIUNE.....*	33-03	48	14	12-13,21,	117	2.3	14,971	3.67	549	11	73	-55	-.01	-3	-4
01-02-60 1050848 3956096 5-73				33,35,41	26		15,121	3.70	559						
1370514 BRIDGE LEA REFLECTOR.....*		3	15	1-93	20	2.2	16,086	3.68	592	8	30	-377	+.06	-5	-16
12-03-58 010259920 4660733 5-73					39		17,679	3.52	622						
1370532 PANSCO PLAITCO LEADER.....	93-05	9	1	3-86,91,	10	1.7	16,363	3.39	554	38	36	-104	-.02	-7	-9
08-19-59 1289588 2660660 1-73				93	104		16,902	3.44	582						
1370538 BARTELS COMRE CLIFF LAD.....*		12	8	3-35,41,	29	2.3	14,980	3.82	572	11	48	+220	+.09	+21	+24
08-11-59 1242338 4055738 5-73				45	15		14,534	3.65	530						
1370604 HURLWOOD HAZEL MARATHON VIKING*		5	30	2-16,21	39	2.6	13,493	3.70	499	20	33	-168	+.03	-2	-7
08-14-59 1243126 3841388 5-73					20		13,963	3.62	506						
1370630 CHERRYBOLD E L NICK.....*		3	57	2-35,73	61	3.3	16,551	3.52	582	7	32	+251	-.02	+6	+13
12-25-59 1150470 3448324 5-73					25		15,913	3.57	568						
1370702 PATANJANK BUSTER IMPY.....*		1	29	1-21	29	4.2	13,622	3.37	459	5	31	-170	.00	-6	-10
11-08-59 1385978 3330482 5-73					20		14,160	3.38	478						
1370906 PENSTATE JOSIE REFLECTION.....*		1	19	1-23	19	2.7	12,702	3.83	487	24	26	-361	+.04	-8	-17
09-26-59 1270143 3945917 5-73					8		14,060	3.73	524						
1370969 WILCOX FARM DUKE CHARLES.....*		3	14	1-16	28	3.2	15,759	3.68	580	7	42	+310	+.02	+14	+21
08-09-59 989939 3838079 5-73					23		15,084	3.64	549						
1371179 NORTHMOOR SUN DANCE.....*		9	7	1-21	26	4.8	17,007	3.74	636	13	52	+355	+.04	+18	+26
04-02-59 1291238 4116213 5-73					30		16,545	3.69	610						
1371183 SIR BESS ORMSBY MODEL.....*	35-05	134	2	8-23,33,	202	2.3	14,513	3.48	505	19	92	+31	-.15	-21	-16
01-02-60 1267754 3705003 5-73				35,41,42	17		14,489	3.66	530						
1371250 PARK GROVE BLACK JEWEL.....*		3	23	2-33,34	32	2.6	14,694	3.78	555	0	33	+121	+.01	+6	+9
10-26-59 1159417 4159241 5-73					17		14,324	3.76	538						
1371345 SOISSONS SANORA ROBINHOOD.....*		1	11	1-21	11	4.0	14,371	3.98	572	0	26	-239	+.06	0	-7
12-08-59 1141306 3815579 9-72					22		15,403	3.76	579						
1371516 TERILAND RINGER VROUKA.....*		7	7	1-93	17	3.0	17,163	3.64	625	11	37	+84	+.04	+9	+10
01-22-60 1230647 4111281 5-73					42		17,222	3.54	609						
1371613 KANATA SUPREME V ERNIE.....		1	11	1-35	11	2.9	16,757	3.93	658	**	25	+255	+.10	+24	+27
10-02-59 1316847 3771305 9-72					7		15,870	3.55	564						
1371769 COLSTAH LAD POSCH JESS.....*		4	10	1-84	15	1.9	13,266	3.59	476	**	29	-59	+.01	0	-2
10-01-59 1124617 3290054 5-73					90		13,374	3.53	472						
1372023 ROSAFE SHAMROCK BERTRAND.....*		107	8	21-14,16,	200	2.2	14,817	3.64	539	16	87	-455	.00	-17	-28
03-25-56 010198998 010533824 9-72				21,23,35	30		15,449	3.65	564						
1372052 JON-OE RAVEN JULE REBELER.....	35-21	143	12	9-35,41,	271	1.9	14,085	3.76	530	10	86	-221	+.08	+4	-3
07-02-59 1275412 3342593 9-72				42,43,47	16		14,338	3.67	526						
1372055 QUESTOVER IDEAL MAGICIAN.....*		7	9	2-31,34	19	3.1	12,667	3.54	449	9	38	-237	-.02	-11	-16
12-17-59 1138451 4490068 5-73					10		13,168	3.62	477						
1372195 STEWART FARMS RAG APPLE MASTER*		5	27	1-21	60	3.1	16,001	3.77	604	8	47	+181	.00	+7	+11
02-25-59 1204515 3737622 5-73					82		15,749	3.78	596						
1372319 ELLBANK ORMSBY BEETS CONQUEROR*		7	76	2-21,51	127	2.8	15,521	4.15	644	7	42	-54	+.10	+12	+8
05-10-58 953325 3472936 5-73					22		15,794	3.96	626						
1372323 TAYLAKER LEADER.....		1	16	1-93	16	2.2	20,391	3.26	665	**	24	+531	-.06	+10	+24
09-05-59 1150470 3740396 5-73					40		18,609	3.40	633						
1372390 CRESCENT BEAUTY ADVANCER-TWIN.*		8	5	2-33,52	22	3.2	12,553	3.58	449	25	50	-831	-.03	-34	-53
08-24-59 1247704 4278135 9-72					16		14,194	3.65	518						
1372408 GILMANS CARNATION REGENT.....		1	29	1-71	29	2.8	12,913	3.57	461	**	27	-93	+.02	0	-3
09-02-59 1308293 4522503 5-73					10		13,131	3.50	460						
1372426 VISTA GRANDE HAVEN WALLIE.....*	35-05	349	5	16-23,35,	759	1.4	13,962	3.83	535	19	96	-877	+.12	-15	-39
05-29-59 1079658 3943008 1-73				41,42,57	18		14,928	3.72	555						
1372459 ADMIRAL PRIDE PAT CLOVERBROOK.*		1	29	1-72	29	2.1	8,604	3.60	310	**	27	-317	+.01	-10	-18
08-03-59 1218213 3810686 1-73					30		9,275	3.60	334						
1372525 NORISCO TONY OESIGN.....		22	1	4-35,41,	23	1.8	13,838	3.56	492	12	59	-337	-.04	-18	-25
09-07-59 1205698 3104669 5-73				42,47	17		14,419	3.65	526						
1372548 CARNATION MARINER.....*		5	50	2-51,54	58	2.3	10,835	3.74	405	9	31	-133	+.02	-2	-6
12-21-59 1278455 4256292 5-73					25		10,915	3.70	404						
1372552 CARNATION ROYAL GOLD RUSH.....*	35-21	13	17	5-35,41,	60	3.2	15,192	3.71	563	5	57	-27	+.01	0	-1
02-02-60 1305460 3339581 5-73				42,82,93	16		15,336	3.70	567						
1372569 TRIPLE-N DELORES ANTONY MIKE..*		2	40	1-52	42	3.0	14,436	3.39	489	15	31	+39	-.04	-4	-2
01-28-60 1066477 4312690 5-73					25		14,299	3.53	505						
1372578 DODO FARMS TIDY BURKE CAESAR..*		2	12	1-23	17	2.6	14,952	3.40	509	**	31	-58	-.04	-8	-8
08-29-59 1300014 3656710 5-73					46		15,229	3.54	539						
1372680 GREENLOT PABST REBURKE COMRADE*		3	9	2-21,47	13	4.9	13,044	3.56	464	**	31	-199	-.01	-9	-13
02-04-58 1112211 3510428 5-73					19		13,615	3.62	493						
1372742 BOND HAVEN CENTURION PILOT....*		7	3	2-31,54	12	3.3	13,546	3.59	486	**	41	+44	-.02	-2	0
08-02-57 010239301 010817494 5-73					11		13,332	3.68	491						
1372747 WILLOWLYN BUTTER BOY JO-TWIN..*		6	28	3-32,52,	37	3.7	15,334	3.65	559	3	36	-129	-.01	-6	-9
11-08-59 1152252 3821497 5-73				55	39		15,842	3.70	586						
1372751 SHAWS SCHOOLMASTER CHOICE.....*		2	24	2-31,42	26	2.8	15,180	3.95	599	30	29	-139	+.02	-2	-6
01-27-60 1181068 3969749 5-73					26		15,811	3.92	620						
1372777 VAN FEL SUPER CHARGE.....		1	10	1-43	10	3.6	12,121	3.65	442	0	24	-130	+.03	-1	-5
09-12-59 1273719 2889507 9-72					4		12,474	3.54	441						
1372845 OWLHURST CURTISS GEORGE.....*		3	36	1-51	42	3.4	14,015	3.82	535	3	33	+156	+.02	+9	+12
11-07-59 1091298 4072102 5-73					24		13,445	3.76	506						
1372873 INGLIS IMPERIAL INVESTOR.....	21-10	99	1	4-11,13,	105	2.7	14,898	3.45	514	13	87	-177	-.10	-21	-23
09-08-59 956081 3932784 5-73				21,23	22		15,181	3.56	541						
1372874 BILL BURKSOV DEAN.....	21-10	1,571	3	14-11,13,	3,076	1.6	16,002	3.43	549	12	99	+549	-.13	0	+17
12-23-59 1038509 3244405 1-73				14,16,21	25		15,567	3.56	554						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES AND- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS	REC/DAU HERDMATE	MILK	%	FAT	% 1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1372884 GREEN VALE RAG APPLE VAR.....*		5	11	3-22,23,	28	2.8	15,619	3.48	543	20	45	+7	-.06	-8	-6
C8-01-59 1144034 3230197 9-72				34	33		15,739	3.61	568						
1372892 LYNANN HOMESTEAD PRINCE.....		3	19	1-34	26	3.5	11,554	3.88	448	4	34	-352	+.09	0	-11
C8-31-59 1127120 4172053 5-73					45		12,387	3.58	444						
1372921 ORMSBY PLAIN VIEW RAVEN.....*		1	10	1-35	10	2.6	14,808	3.43	508	0	23	+85	-.02	0	+3
08-05-59 1261422 3700612 5-73					21		14,438	3.56	514						
1373055 HARDEN FARMS NOEL STANDARD....	35-05	918	7	25-33,35,	3,043	2.4	15,227	3.57	544	11	99	+422	-.10	0	+13
10-20-59 1315498 2967416 5-73				41,42,93	23		14,847	3.68	547						
1373068 CRESCENT BEAUTY SUPERB.....*		11	29	5-33,35,	66	3.1	12,577	3.38	425	11	47	-381	-.07	-24	-31
C1-27-60 1268528 3398005 5-73				61,71,74	19		13,286	3.58	475						
1373173 WHIRLHILL MAJESTY OYNAST.....*		9	8	4-22,23,	21	1.8	15,669	3.57	559	19	38	-462	+.01	-15	-26
11-23-59 1296820 4412249 5-73				50,55	25		17,157	3.56	610						
1373231 ADDHR GOLDEN MAESTRO.....		7	68	1-93	83	2.8	16,272	3.58	582	18	34	-252	-.01	-11	-17
09-07-59 1215448 3542586 5-73					124		17,297	3.63	628						
1373292 SUNNYSIDE GOLDEN LADDIE.....*	35-05	54	2	4-32,35,	85	3.0	13,882	3.75	521	14	83	-500	+.11	-3	-18
C9-25-59 1170426 3187309 5-73				41,57	15		14,494	3.64	527						
1373442 HOOGBOOM MADCAP BUTTER KING...*		6	50	4-22,23,	59	2.8	14,839	3.72	552	22	33	+26	+.04	+7	+7
C1-16-60 1152252 3349013 5-73				51,55	27		14,801	3.59	531						
1373467 HDWACRES GYPSIE BILL-TWIN.....*		7	5	1-13	27	3.6	14,088	3.53	498	24	55	+105	-.03	0	+3
C9-27-59 1292915 3277789 5-73					30		13,842	3.60	498						
1373503 KINGSTEAD DUKE MARCUS.....*		11	22	3-51,52,	44	2.9	14,448	3.64	526	13	43	+91	+.05	+11	+12
C2-19-60 1259558 4253284 5-73				54	20		14,219	3.51	499						
1373636 ELLENVALE GYPSIE ADVANCEMENT..*		2	12	1-41	17	3.8	10,669	4.31	460	7	33	-287	+.11	+5	-5
C2-24-60 1277213 4202790 5-73					8		11,240	3.90	438						
1373698 ST JOSEPH TY VIC ORMSBY.....*		6	2	2-33,43	10	3.2	14,137	3.35	474	**	38	+229	-.07	-2	+5
02-15-59 1232008 4196187 5-73					19		13,441	3.56	478						
1373719 PABST L O ROBEL.....*		10	17	2-61,63	66	2.2	13,516	3.85	520	15	56	-355	+.09	0	-11
11-01-59 1249424 2669795 5-73					30		14,122	3.68	520						
1373743 SUNNYSIDE RAVEN LAD.....*		3	4	1-56	10	3.0	15,426	3.33	514	0	32	+228	-.02	+5	+11
06-16-59 1113350 4211857 5-73					21		14,753	3.36	495						
1373832 STYLEMASTER SHEN-ROCK SUPREME.		1	26	1-52	26	3.1	15,557	3.78	588	0	28	+49	+.02	+4	+5
12-07-59 1175471 3578559 5-73					3		15,494	3.74	580						
1373938 CACHE ACRES REFLECTOR BESS....*		2	12	1-93	14	3.8	14,530	3.70	538	7	28	-38	+.02	+2	0
02-01-60 1298430 4101568 1-73					67		14,703	3.63	534						
1374023 FSC JD VELVEETA CHIEF.....		2	176	1-93	178	2.1	15,469	3.56	550	7	30	+92	+.01	+5	+7
05-19-59 1299222 4252806 5-73					76		15,246	3.52	536						
1374226 RUSS-GLD CORNET.....*		4	4	1-32	12	3.7	14,232	3.34	475	0	39	+371	-.09	0	+11
02-26-60 1244723 4299154 5-73					11		13,163	3.58	471						
1374286 ELEVATION TIOY BUSTER.....*	35-05	45	4	7-35,41,	75	2.2	15,816	3.50	553	4	78	+1,133	-.14	+19	+50
C1-26-60 1271810 4160530 5-73				42,48,74	20		14,360	3.69	530						
1374825 LDOESTAR GOLDEN ADMIRAL.....*		1	49	1-51	49	3.1	13,881	3.74	519	16	30	-119	+.02	-2	-5
C9-24-59 1259391 3737813 5-73					39		14,278	3.72	531						
1374940 CAL-CLARK ROYAL REBEL.....		8	2	3-22,23,	13	2.2	15,676	3.74	586	0	40	+408	+.03	+19	+28
10-14-59 1310334 3294830 9-72				55	20		14,693	3.68	540						
1375007 ELMFORO PABST JIM.....*		2	9	2-34,35	11	1.6	13,340	3.64	485	0	22	-57	+.04	+3	+1
08-09-59 1316570 4080464 5-73					8		13,515	3.44	465						
1375016 PANSIEWOOD KYLAND JASON.....*		16	30	3-34,35,	84	2.1	15,494	3.50	542	8	50	+626	-.06	+13	+30
10-20-59 1221229 3643559 5-73				74	15		14,230	3.63	516						
1375023 SIR POSCH BURKE FOBES.....*		5	17	1-57	43	3.0	13,990	3.41	477	15	47	-239	-.04	-14	-19
10-11-59 1150470 3809387 5-73					39		14,516	3.50	508						
1375087 BY-GEMS PROFILE STANDOUT.....*	35-03	123	6	12-33,35,	249	2.2	14,658	3.79	556	12	90	-351	+.08	-1	-11
12-10-59 1169417 3557225 1-73				61,65,72	22		15,132	3.71	562						
1375144 KYLAND LEADER PREMIER.....*		1	10	1-35	10	2.7	12,354	3.78	467	0	23	-183	+.03	-2	-7
01-11-60 1293254 3640223 5-73					18		13,048	3.65	476						
1375145 NORTH CAROLINA CARR JASON.....		1	12	1-55	12	1.8	10,549	3.53	372	**	22	-392	-.01	-15	-24
07-09-59 908248 3627653 9-72					4		12,144	3.62	440						
1375151 FRICKES JULE BUTTER BOY.....	35-75	1,089	4	42-23,32,	2,126	1.5	14,408	3.57	514	15	99	-492	-.05	-24	-35
01-14-60 1152252 4426584 9-72				35,41,93	34		14,954	3.62	541						
1375223 LOCKWAY SOVEREIGN TEXAL.....*	35-02	29	2	4-23,35,	35	2.8	14,068	4.01	564	9	67	-445	+.22	+15	-1
07-02-59 1155012 3461972 5-73				47,61	37		14,767	3.68	544						
1375263 MAVIEW IRE ARISTOCRAT.....	55-01	20	20	3-21,52,	156	1.7	16,676	3.57	596	21	71	+209	-.07	-2	+5
03-01-60 1124780 3804033 5-73				55	35		16,602	3.67	609						
1375265 POLYTECHNIC MONTVIC STORM.....*		5	7	2-86,93	14	2.0	18,091	3.64	658	**	32	+554	-.04	+14	+28
12-01-59 1230640 4186633 5-73					47		16,560	3.76	623						
1375346 WILLAROS ORMSBY RAG APPLE.....*		2	23	1-23	25	2.4	13,172	3.68	485	**	28	-124	.00	-4	-7
10-19-59 1279408 3391665 5-73					6		13,524	3.69	499						
1375426 MASTER MATTIE SEGIS ANTONY....*		1	20	1-52	20	2.7	13,736	3.62	497	0	27	+50	-.01	+1	+2
C9-27-59 1066477 3580606 5-73					16		13,458	3.63	489						
1375429 ADMIRAL PRILLY BURKE IDEAL....*		14	63	2-52,54	98	2.3	14,995	3.52	528	7	39	-33	-.01	-3	-3
11-21-59 1309177 3606683 5-73					45		15,159	3.56	540						
1375459 BUOO FARM ROYAL OELLA.....*		7	14	2-33,41	26	2.5	13,429	3.69	495	19	37	-316	.00	-12	-19
C7-26-59 1306065 4014191 5-73					14		14,287	3.72	532						
1375607 FERNHAME BURKE LAD DIOGENES...*		8	4	2-14,16	20	3.3	15,484	3.67	569	10	51	-89	+.04	+3	0
12-23-59 1125403 3527092 5-73					30		15,802	3.60	569						
1375962 CHRISTY CORPORAL.....*		2	13	1-42	17	2.5	12,466	3.43	427	12	29	-107	-.05	-11	-12
C3-21-60 1265747 3655332 5-73					5		12,671	3.66	464						
1375967 SISSON FARMS PIEBE WIS IDEAL..*	21-10	1,683	6	17-11,13,	3,972	1.7	16,236	3.44	558	12	99	+625	-.18	-4	+16
11-02-59 933122 3389034 5-73				14,16,21	25		15,742	3.61	568						
1376065 SISSON FARMS HAZEL ARAB.....*		3	12	1-52	16	3.5	13,286	3.69	490	13	30	-233	+.02	-5	-11
01-07-60 1213698 3439846 5-73					44		14,017	3.64	510						
1376244 OAYTON MABEL PRILLY JO.....*		5	14	1-31	40	1.6	15,371	3.36	517	10	45	+254	-.06	+1	+9
02-08-60 1105615 4078561 5-73					35		14,850	3.47	515						
1376281 OCKBROOK ADMIRAL FOBES.....*		2	23	2-35,57	27	4.0	14,599	3.77	550	8	32	-229	+.05	-1	-6
12-17-59 1210078 4166244 5-73					19		15,422	3.64	562						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	...DAUGHTERS AND HEROMATES... DAUS	REC/DAU	HEROMATE	MILK	%	FAT	%	1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1376411 TREASURE INKA SOV SUPREME.....*		12	2	5-33,35,	17	2.4		12,451	3.55	442		19	50	-561	-.05	-27	-39
08-11-59 010249633 3875952 5-73				42,61,93	14			13,490	3.68	496							
1376466 OLMANDR PAUL FONOA.....*		4	19	1-21	26	3.4		14,944	3.41	510		**	34	-273	-.03	-14	-20
12-11-59 1040096 3979240 5-73					19			15,912	3.50	557							
1376502 SKOKIE REX.....	93-02	12	90	1-93	177	2.1		15,075	3.58	539		**	45	-39	.00	-1	-2
03-07-60 1258610 3235817 5-73					263			15,251	3.59	547							
1376556 ROUND OAK GAY MAGISTRATE.....*		1	35	1-54	35	3.4		13,581	3.78	514		3	30	-275	+.02	-7	-14
01-14-60 1294924 3547219 5-73					27			14,524	3.75	545							
1376732 BUTTERFIELD BURKE LEADER.....		2	16	1-55	18	1.7		14,680	3.41	501		33	24	+267	-.06	+1	+9
C1-06-60 1150470 3343033 1-73					4			13,498	3.65	493							
1376868 PINEYHILL NOBILITY-TWIN.....*		7	16	1-93	47	3.6		16,889	3.96	668		**	52	-118	+.13	+15	+9
07-30-59 1295523 4507239 9-72					48			17,420	3.74	652							
1376810 MAPLE LAWN MASTER SIR ROBURKE.	51-02	333	6	12-23,50,	910	2.1		15,035	3.62	544		10	97	+498	-.07	+7	+21
11-10-59 1025902 4174280 5-73				51,52,54	26			14,537	3.71	539							
1376966 CARNATION ROYAL WISDOM.....*		11	3	6-31,34,	22	3.4		14,911	3.81	568		0	55	-193	+.12	+10	+2
03-13-60 1305406 2638027 5-73				81,91,93	34			15,354	3.61	554							
1376972 LANELESS AMERICAN BUTTER BOY..	35-21	74	10	4-34,35,	123	2.3		14,697	3.66	538		20	77	-531	-.01	-21	-33
01-13-60 1152252 4473449 5-73				41,91	17			15,495	3.69	572							
1377075 SKOKIE BOY.....*		2	73	1-93	82	2.5		16,155	3.57	577		8	32	-116	+.06	+5	+1
12-15-59 1232185 3087452 5-73					67			16,760	3.38	567							
1377203 LANGE RE-CHARITY OUKE.....*		3	23	2-35,55	27	4.1		14,664	3.87	567		0	33	-159	+.06	+3	-2
10-20-59 1190953 4499324 9-72					9			15,233	3.68	561							
1377310 WAL-CO-FARM PROFILE ARGUS.....*	35-05	45	2	5-33,35,	65	3.0		12,934	3.85	498		16	80	-998	+.16	-14	-42
12-17-59 1159417 3658655 5-73				41,42,56	17			14,160	3.64	516							
1377315 GYPSIE COMET O.....	41-01	65	6	4-35,41,	93	2.9		14,695	3.53	519		7	79	+325	-.06	+3	+12
12-19-59 1291724 2982570 5-73				45,46	25			14,270	3.61	515							
1377542 HARMONY PRINCESS EDEN FLASH..		1	10	1-35	10	3.3		11,348	3.34	379		13	24	-331	-.06	-20	-26
02-26-60 1115946 3911984 1-73					2			12,565	3.68	463							
1377586 ELODNON REFLECTOR FREMONT-TWIN*		10	4	4-33,35,	25	2.3		13,891	3.69	512		24	53	-204	.00	-8	-13
05-21-59 1298430 4010967 5-73				71,74	11			14,261	3.72	530							
1377673 RIDVILLE ROYAL CREWMAN.....	91-13	99	2	8-81,82,	136	2.6		14,815	3.42	507		12	89	+105	-.14	-17	-11
11-08-59 1305400 3142294 5-73				87,91,92	21			14,731	3.58	528							
1377691 OEAN WALLACE SECURITY.....	21-10	1,860	4	13-11,13,	4,361	1.4		16,060	3.53	567		12	99	+595	-.04	+16	+31
03-29-60 1285978 3597932 9-72				14,15,21	22			15,580	3.56	555							
1377802 HODDS CHERRY HILL OI WON-TWIN.*		7	8	2-13,14	32	4.6		17,112	3.76	644		7	56	+953	+.04	+40	+62
02-12-60 1189870 4097660 5-73					31			15,526	3.72	578							
1377803 HODDS CHERRY HILL OI LAO.....*		15	25	6-11,12,	78	2.9		15,658	3.49	546		19	54	+731	-.08	+15	+34
03-29-60 1189870 4107369 5-73				13,14,16	35			14,300	3.62	518							
1378000 M V B A TY VIC PRESTO CYCLONE.	41-01	107	2	5-35,41,	131	2.2		12,357	3.78	467		26	88	-1,144	+.17	-19	-50
03-03-60 923749 4589252 5-73				42,45,46	17			13,578	3.59	487							
1378010 MIDLAND MAGIC TRADITION.....		5	27	1-93	76	2.1		16,262	3.41	555		21	51	-342	-.05	-20	-27
03-01-60 1138451 3793207 5-73					139			17,223	3.52	606							
1378123 LIME ROCK W GEORGE.....*		6	20	1-23	31	3.1		15,039	3.88	584		21	36	+31	-.01	0	+1
C1-23-60 1158575 3887410 5-73					19			15,014	3.94	591							
1378179 VIC GYPSIE SOVEREIGN.....*		1	19	1-41	19	4.2		8,995	3.46	311		0	28	-464	.00	-17	-28
03-20-59 1232004 4411784 9-72					4			10,254	3.49	358							
1378324 LUCIFER IVANHOE STAR.....*		4	25	1-23	50	2.1		16,974	3.72	632		15	40	+614	+.03	+26	+40
03-25-60 1189870 3563348 5-73					21			15,571	3.69	574							
1376345 RWJS MAGISTRATE OON.....	93-19	105	13	7-74,82,	514	1.8		16,694	3.50	584		8	92	+110	-.05	-4	0
03-16-60 1126307 3755364 5-73				86,91,93	87			16,817	3.55	597							
1378427 EXRANCO MAPLE SIR HOPE.....	93-03	10	8	1-93	37	2.0		15,234	3.91	595		24	52	-607	+.16	0	-18
01-25-60 010218036 4076820 5-73					143			16,625	3.63	603							
1378562 SHETLARS MODEL TIDY LAO.....*		24	6	4-46,48,	45	3.1		14,584	3.65	532		5	65	-658	+.05	-17	-34
04-28-60 1226128 3610256 1-73				73,74	20			15,734	3.59	565							
1378661 JAKE MOOSEHEART NOBLE OEAN....		2	9	2-21,52	11	4.4		13,925	3.60	501		0	23	-349	+.03	-8	-17
10-24-59 1175509 4261595 5-73					6			15,271	3.49	533							
1378995 MAN-O-WAR B F CRESCENT ROMEO..*		5	8	1-93	21	2.7		14,136	3.47	491		20	39	-237	-.03	-13	-18
02-09-60 1188731 4250424 5-73					37			14,780	3.57	528							
1378997 BURKE B F MAOCAP LAO.....	42-02	124	3	5-41,42,	194	2.7		12,876	3.56	458		24	91	-791	-.03	-32	-50
12-03-59 1152252 3737922 5-73				43,73,87	14			13,670	3.59	491							
1379096 WIS CONQUEST.....*	23-11	160	4	6-22,23,	340	3.2		13,902	3.58	497		11	94	-458	-.10	-30	-38
05-12-60 933122 3612218 5-73				31,42,51	31			14,390	3.69	531							
1379176 GRAY VIEW SKY RENOWN.....*		9	62	2-42,47	79	2.7		14,416	3.43	495		18	35	-110	.00	-4	-7
12-27-59 1244845 4194681 5-73					15			14,769	3.43	507							
1379263 COLINOON ARA8 BUGLER.....	21-10	1,246	3	15-11,13,	2,122	1.7		15,430	3.62	559		15	99	-14	+.07	+9	+7
02-12-60 1038509 3846262 1-73				14,16,21	24			15,562	3.55	553							
1379354 SONSTAHOS VAR LEADER.....*		1	11	1-93	11	2.3		16,313	3.36	548		**	23	-4	-.03	-4	-3
07-30-59 1150470 4530425 5-73					48			16,549	3.47	575							
1379495 BUCHER VIEW REFLECTION MURKY..*		3	16	1-46	20	2.2		14,322	3.46	496		**	28	+480	-.06	+9	+22
05-06-60 1321033 3813935 5-73					7			12,417	3.69	458							
1379508 RAGUSA SYMBOL SENSATIONAL EO..		2	6	1-35	10	4.0		12,337	3.66	452		0	29	-379	.00	-13	-22
12-08-59 1297343 4496717 1-73					24			13,564	3.66	497							
1379695 CYPRESS LANE ROYAL PRINCE.....		2	7	1-93	13	1.7		14,718	3.60	530		**	29	-378	+.03	-10	-20
03-04-60 1252231 4258728 5-73					32			16,230	3.54	575							
1379778 MOUNTWOOD BESS BURKE KING.....		1	13	1-42	13	3.6		14,703	3.71	546		0	26	+89	+.01	+4	+6
C1-13-60 1191185 2931582 1-73					24			14,359	3.71	533							
1379819 STONEACRE REFLECTION FAYNE....*		3	34	1-31	38	2.6		16,617	3.45	573		13	31	+74	-.03	-2	+1
12-24-59 1335688 4380076 5-73					31			16,597	3.55	590							
1379871 POPOSIA MAOCAP RUOY.....*		3	16	2-81,83	20	3.6		14,522	3.42	497		6	31	-350	-.01	-14	-22
01-06-60 1070226 3983775 5-73					14			15,780	3.47	548							
1379985 JOY HAVEN INVINCIBLE REBURKE..*		3	17	1-21	21	1.1		12,261	3.60	441		**	24	-237	+.03	-5	-11
12-02-59 1112211 4213904 5-73					12			13,118	3.52	462							
1380145 SIR ROSAFE HOMEMONO.....*		6	14	1-31	30	3.2		15,466	3.52	544		0	42	+337	-.06	+3	+13
C1-23-60 1138451 3211688 5-73					9			14,692	3.66	538							

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HO	STATES NO- WITH MOST DAUS	DAUGHTERS AND HERDMATES ... DAUS	REC/DAU HM/DAU	MILK HERDMATE	% MILK	% FAT	FAT	1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1380164 IDNIA PABST SEGIS.....*		12	3	1-34	24	3.2	14,993	3.64	545	13	56	+233	+.02	+12	+17
10-04-59 1238164 2941007 5-73					16		14,630	3.60	525						
1380371 COUNCIL ROCK AUTOCRAT.....*	31-01	39	6	3-31,83,	77	2.7	13,685	3.47	475	17	75	-799	-.06	-37	-55
12-16-59 1113350 2464060 5-73				84	18		14,795	3.56	527						
1380550 GLENAFTON RAG APPLE SELECT....	91-13	375	6	11-81,82,	950	2.2	14,814	3.66	542	13	97	-231	+.06	0	-7
C9-29-59 010249530 010869974 9-72				87,91,92	22		15,125	3.60	544						
1380666 KODI RAVEN BURKE.....*		4	44	2-92,93	78	2.5	18,277	3.61	660	13	42	+446	+.01	+18	+28
03-05-60 1113350 4192710 5-73					85		17,521	3.58	627						
1380724 FARRAR THONYMA ROCKET JACK....		1	14	1-43	14	3.2	14,041	3.40	478	**	25	+293	-.03	+6	+14
C7-11-58 1252981 3480932 5-73					5		12,711	3.52	448						
1380885 EOH TRIUNE COUNT OE KOL.....		1	16	1-73	16	1.5	13,734	3.20	440	18	22	-370	-.03	-18	-26
12-02-59 1317048 2759963 5-73					1		15,511	3.38	525						
1380945 LILAC HILL ROYAL MASTER.....*	33-03	1,339	4	46-21,23,	2,589	2.9	13,889	3.67	510	13	99	-602	+.06	-14	-30
12-20-59 1305460 2711356 9-72				31,32,34	20		14,508	3.63	526						
1380968 THONYMA HAPPY RAVEN.....*	23-13	281	7	10-23,48,	776	1.3	14,422	3.67	529	13	96	-586	+.02	-18	-33
C1-09-60 1113350 4410787 5-73				51,52,54	31		15,106	3.65	552						
1381118 BETTERWAY REBURKE DUKE.....*		1	12	1-93	12	2.3	14,975	3.45	517	**	24	-23	-.04	-6	-6
C4-27-60 1315498 3335772 5-73					6		15,152	3.62	548						
1381130 MASSILLON WINTHROP IOEAL.....*		1	21	1-31	21	4.3	15,873	3.41	541	5	29	+214	-.05	+1	+7
02-12-60 1113350 2586389 5-73					29		15,229	3.53	538						
1381211 VALLEY OAKS ARDEE ORMSBY.....		1	29	1-93	29	1.5	16,624	3.89	647	**	25	+287	+.06	+19	+24
C1-01-60 1317864 4147987 1-73					22		15,583	3.70	576						
1381260 GRAY VIEW CRITERION NICO.....*		4	34	3-35,52,	45	2.4	14,575	3.72	542	16	34	-187	+.05	0	-6
03-21-60 1244844 4397186 5-73				54	18		15,216	3.58	545						
1381281 LAVACRES DUSTY OELANO.....*		13	1	2-43,93	15	2.3	15,772	3.74	590	**	49	-428	+.11	0	-13
C4-04-60 1205185 4258510 5-73					63		16,901	3.54	598						
1381405 BUTTERCUP VAR GLAMOUR BOY.....*		3	31	2-33,35	37	3.2	13,197	4.08	539	6	32	-88	+.02	0	-3
02-26-60 1301788 4059739 5-73					33		13,372	4.07	544						
1381463 SUNNYOECK WIS CHAMP SENATOR...*		7	20	1-91	38	4.0	15,940	3.37	537	0	43	+5	-.02	-2	-1
01-07-60 1144238 3644478 5-73					38		16,099	3.40	548						
1381506 SOUTHWIND ADMIRAL BUO-TWIN....*		2	26	1-74	28	3.9	13,814	3.35	463	0	31	-120	+.02	-1	-4
C8-28-58 1090258 4220916 5-73					21		14,186	3.26	463						
1381710 RUDESTER AAGGIE PERFECTION....*		4	5	2-91,92	15	1.9	14,774	3.53	522	0	37	-273	+.01	-9	-16
12-30-59 1288630 3164925 5-73					9		15,634	3.53	552						
1381736 WALLMAC SEGIS BURKE HAZE IOEAL		3	22	1-52	45	2.8	15,565	3.51	547	4	43	+357	-.07	+3	+13
C8-01-59 1309177 4220289 5-73					10		14,780	3.67	543						
1381745 HARDEN FARMS NOEL MAPLE-TWIN..*		4	30	1-34	36	3.1	14,656	3.76	551	6	33	+148	-.01	+4	+8
05-12-60 1315498 4227550 5-73					20		14,181	3.81	540						
1381747 TIHO NOEL WIS BURKE JOE.....*		7	16	2-43,84	43	3.1	15,221	3.63	553	8	48	+39	+.03	+6	+6
05-22-60 1315498 4616228 5-73					54		15,223	3.57	544						
1381770 OAK BENO ROMEO DELIGHT.....	41-01	108	2	5-34,41,	162	2.3	15,442	3.50	541	10	90	+867	-.08	+19	+42
C9-22-59 1132684 3847526 5-73				42,45,46	17		14,482	3.59	520						
1381871 WOODBOURNE GOREWOOD REFLECTOR.	91-13	307	7	8-23,82,	1,107	1.5	15,374	3.81	585	18	97	-325	+.18	+13	+1
12-06-59 1298430 4416523 1-73				91,92,93	38		15,857	3.65	578						
1381907 CAL-CLARK ROCKETTE ROMEO.....		1	14	1-93	14	1.9	18,574	3.53	655	**	23	-27	.00	-1	-2
11-28-59 1102213 3889978 1-73					82		19,175	3.55	680						
1381985 BRAUNS REX.....*		2	12	1-34	14	1.4	13,424	3.73	501	22	23	-112	+.03	0	-3
08-01-59 1223920 3188644 5-73					12		13,858	3.59	497						
1381987 BRAUNS GRAND MASTER.....*	35-05	37	2	2-33,35	60	2.9	14,488	3.69	534	13	78	+73	+.02	+5	+6
12-14-59 1223920 3184976 5-73					15		14,394	3.68	529						
1382042 PUGET SOUND PROSPECT.....*		4	8	1-82	13	3.5	14,793	3.20	473	0	32	-120	-.03	-8	-10
C1-02-60 1315253 3410977 5-73					8		15,261	3.26	498						
1382155 PENDER KANE JUDY OAUNTLESS....*		7	2	2-21,23	10	4.7	13,109	3.66	480	0	39	-787	+.04	-23	-43
02-13-60 1285952 2449583 5-73					12		15,193	3.57	543						
1382176 ROMANDALE MAPLE BARON.....*	34-01	140	3	13-32,34,	222	2.4	14,480	3.49	505	18	92	+101	-.09	-9	-4
C9-06-59 010218036 011345597 1-73				35,42,92	18		14,368	3.59	516						
1382322 KING GREENWOOD BLOOM.....*		10	13	2-22,23	44	3.3	14,112	4.00	565	6	53	-609	+.14	-2	-20
C2-24-60 1121323 2720284 5-73					13		15,350	3.75	576						
1382363 OWEN IDEAL MAGICIAN.....		3	44	1-43	81	2.7	15,977	3.61	576	9	43	-203	+.02	-4	-9
C4-02-60 1138451 4327675 5-73					45		16,679	3.57	596						
1382377 TABUR EMBLEM DUKE.....*		11	2	3-43,48,	14	2.4	14,386	3.36	483	11	47	-113	-.03	-9	-11
01-26-60 1298430 4644812 5-73				73	15		14,658	3.42	502						
1382571 BUTZRIDGE RICKY IDEAL LAD.....*		3	37	2-33,43	41	3.3	13,015	3.92	510	3	32	+22	+.03	+5	+5
06-09-59 1273942 3910001 5-73					18		12,785	3.86	493						
1382580 MIOLANO ORMSBY ROYAL MOSE.....*	31-02	221	9	16-31,43,	645	1.3	14,662	3.63	532	12	94	-619	+.02	-20	-35
C5-26-60 1196645 4042047 5-73				55,56,93	32		15,423	3.62	558						
1382608 BREEZEWOOD SPARKLER-TWIN.....*		4	8	3-31,35,	18	2.9	13,495	3.63	490	0	40	-61	-.01	-3	-4
02-18-60 1247237 3816059 5-73				42	16		13,568	3.68	499						
1382692 REDSTONE OUNLOGGIN OLLY.....*		11	2	2-14,16	15	3.4	12,593	3.86	486	7	49	-755	+.07	-17	-37
C3-09-60 1048655 4064794 5-73					18		14,110	3.71	524						
1382768 SHEFFIELD SUPREME MAX-TWIN....*		336	4	33-21,23,	633	2.7	13,835	3.56	492	13	97	-1,015	-.04	-42	-65
10-06-55 010249633 011085334 9-72				31,32,93	26		14,940	3.60	538						
1382828 KINGSTEAD PABST EUGENE-TWIN...	31-07	126	5	9-23,33,	200	1.4	14,826	3.74	554	15	87	-318	+.07	-1	-10
05-10-60 1232296 3936436 5-73				34,51,52	25		15,280	3.67	561						
1382939 ROMANDALE EMPEROR.....*		29	17	11-35,42,	107	2.9	15,142	3.40	515	11	68	+39	-.07	-8	-5
10-10-59 010198998 010770928 5-73				85,86,87	86		15,161	3.49	529						
1382958 STEWARTHAVEN REFLECTION SOV...*	93-16	136	38	20-21,23,	648	2.5	15,942	3.56	568	13	87	-446	-.03	-20	-30
C4-24-56 010198998 5124306 5-73				35,71,93	67		16,687	3.60	600						
1383004 PINEYHILL MAJORITY.....*	91-11	1,898	8	42-34,35,	5,956	1.8	14,918	3.87	578	15	99	-101	+.24	+31	+22
11-26-59 1295523 4507238 5-73				41,42,93	23		15,090	3.64	550						
1383010 CLAYACRES BLENOSTAR BELL BOY..*		4	17	1-34	22	3.2	14,963	3.70	553	13	33	+258	+.03	+13	+18
C4-28-60 1330864 4386279 5-73					11		14,148	3.62	512						
1383247 ECRASO GOLDEN TOPPER.....	72-01	615	10	20-23,51,	1,901	1.6	15,300	3.44	526	10	98	+577	-.11	+4	+21
C1-31-60 1148087 4260473 5-73				52,63,72	26		14,747	3.54	522						

REGISTRATION NUMBER / NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HO	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS HM/DAU	REC/DAU HEROMATE	MILK	% MILK	FAT	% FAT	1ST INC	REPT %	PREDICTED DIFFERENCES MILK	% MILK	FAT	$$
1383311 ELLBANK ADMIRAL BURKE IDEAL...*	33-03	1,730	7	45-21,23,	3,851	1.7	15,271	3.60	549	12	99	+220	-.03	+4	+10
C7-22-59 1013415 3472936 1-73				35,48,93	27		15,122	3.62	548						
1383468 SHEFFIELD CLIMAX IMPERIAL.....	31-07	383	5	19-32,34,	852	1.7	14,633	3.48	509	17	97	+149	-.13	-14	-7
C4-20-60 010250076 011181389 1-73				47,65,72	23		14,489	3.62	525						
1383518 FLYING S DINAH PATRICK.....		2	8	1-93	10	2.0	14,559	3.63	529	**	24	+146	+.02	+8	+11
C3-17-60 1150470 4368576 5-73					10		13,888	3.53	490						
1383597 BUDD FARM DE KOL TWICE ACE....*		12	10	2-32,34	30	2.0	13,299	3.71	494	10	43	-184	+.05	+1	-5
C1-24-60 1186187 4382788 5-73					28		13,653	3.58	489						
1383626 SKY ROCKET BURKE.....	41-01	372	2	7-35,41,	577	2.0	14,452	3.55	513	14	97	+56	-.03	-2	C
C3-27-59 1291724 4245030 9-72				42,45,46	14		14,394	3.58	516						
1383644 ELM-BECCA COLANTHA MASTER.....*		4	17	3-22,23,	22	3.2	15,762	3.53	557	11	32	+313	-.07	+1	+10
C7-19-59 1105403 4114636 5-73				52	18		14,830	3.77	559						
1383723 SUSSEX PROGRESSOR FAIRTIME....*		1	16	1-51	16	5.4	13,017	3.85	501	G	29	-45	+.05	+5	+3
C2-11-60 1159405 3265624 5-73					13		13,041	3.69	481						
1383759 MEADOWFARM DELIGHT TRANSMITTER*		14	23	6-21,34,	72	3.0	14,209	3.55	505	5	55	-243	-.04	-15	-20
C6-11-60 1059819 2494802 5-73				35,42,52	38		14,682	3.65	536						
1383799 GRAHAVEN SHAMROCK.....*		20	45	5-21,23,	102	1.7	13,716	3.62	497	15	45	-260	-.08	-21	-25
C2-16-60 010198998 010930255 5-73				31,33,34	56		14,289	3.85	550						
1383826 HY-SEEN SLEEPY HOLLOW HERCULES		1	25	1-42	25	3.3	15,318	3.29	504	14	28	+317	-.08	0	+10
C7-15-59 1141527 2962815 1-73					9		14,169	3.57	506						
1383863 LAVACRES DICTATOR CALVERY.....*		6	13	1-93	22	2.7	15,756	3.54	558	0	35	-153	+.01	-4	-8
C5-15-60 1204163 3903730 5-73					59		16,391	3.53	579						
1383912 NACHES MADCAP SARGE.....*		6	5	1-91	17	2.8	14,683	3.57	524	0	44	-70	+.02	0	-2
C2-18-60 1249795 2814144 5-73					26		14,897	3.52	525						
1383925 SHEFFIELD CLIMAX BRANT.....		8	48	3-41,47,	79	1.5	14,747	3.37	497	36	37	+73	-.03	-2	+1
C3-16-60 010250076 011153042 5-73				48	18		14,565	3.46	504						
1383926 PAWNEE FARM REFLECTION ADMIRAL	35-21	856	4	23-35,41,	1,959	1.7	15,552	3.71	577	13	99	+534	+.05	+27	+38
C2-16-60 1322381 3922839 5-73				42,43,47	17		15,080	3.67	553						
1384112 SUNRISE HERSHEY R A ADVANCE...*		3	12	1-23	20	4.2	17,888	3.68	658	0	37	+688	+.01	+26	+42
C2-22-60 1156447 4117094 5-73					11		16,189	3.66	593						
1384176 SONSTAHJS LEADER VAR.....		1	37	1-93	37	2.3	19,487	3.16	616	**	28	+354	-.08	+1	+12
C7-19-59 1150470 4668368 5-73					71		18,657	3.34	624						
1384216 MINT COMET IDEAL.....*		1	11	1-23	11	3.1	13,608	3.59	488	0	24	-85	+.02	0	-3
C1-11-60 1038489 4481948 5-73					13		13,919	3.49	486						
1384455 BELMONT FRECKLES GOVERNOR.....		2	12	1-51	17	4.2	12,329	3.99	492	6	33	-192	+.05	0	-6
11-16-59 1240095 3940720 5-73					9		12,753	3.84	490						
1384478 INDIANA GENERAL COUNT.....*		7	6	2-32,61	15	3.6	17,004	3.69	628	0	39	+689	+.03	+30	+45
C5-28-59 948154 3681458 5-73					25		15,351	3.62	555						
1384506 ROTHLAND MISTER OEAN.....	21-10	153	1	7-11,12,	169	2.6	15,389	3.56	548	9	92	+164	-.01	+4	+8
11-06-59 929962 3005512 5-73				13,14,21	21		15,301	3.57	546						
1384585 RI-VAL-RE PRINCE BONNIE LAD...*		2	20	1-34	22	2.4	13,245	3.71	492	25	27	+401	+.02	-11	-21
07-28-60 1050848 4244535 5-73					47		14,753	3.65	539						
1384588 COUNCIL ROCK BURKE IDEAL LAD..*		11	5	1-21	24	3.3	15,897	3.78	601	11	52	-726	+.15	-5	-26
C7-29-60 1013415 3043138 5-73					26		17,627	3.53	623						
1384606 ODNCROFT MAJESTY.....	23-09	462	5	11-15,23,	960	1.7	14,521	3.64	529	14	97	-355	-.06	-21	-28
C2-10-60 1293580 3921889 5-73				50,51,52	22		14,941	3.71	555						
1384640 CARELLA POLY KING.....		4	8	1-93	13	3.6	18,302	3.72	680	**	32	+307	+.03	+18	+26
C3-07-60 1176260 3508536 5-73					23		17,462	3.64	635						
1384756 POLYTECHNIC MOHAWK IMPERIAL...		2	21	1-93	25	2.3	15,713	3.58	563	0	29	-70	+.01	-1	-3
11-25-59 1320459 4456813 5-73					50		16,131	3.56	575						
1384796 SOLESTATE KING HOPE.....		2	5	1-93	10	1.4	17,220	3.63	625	**	26	-243	+.06	0	-7
C4-28-60 1243697 4137834 1-73					49		18,593	3.44	640						
1384832 SPRING EDGE ISLA TRITOMIA.....*		6	23	3-13,23,	56	2.6	14,508	3.45	500	14	47	+171	-.06	-2	+4
C6-12-60 1061907 4611493 5-73				35	12		14,118	3.57	504						
1384916 ROMANDALE MAJESTY.....*	33-03	328	3	36-21,23,	502	1.5	14,141	3.61	511	18	96	-595	.00	-21	-35
10-07-59 010242131 5615723 1-73				32,33,93	26		14,807	3.62	536						
1385036 GREEN PASTURES R A MAPLE.....	31-07	608	4	24-31,33,	1,248	2.2	15,117	3.53	534	12	98	+417	-.10	0	+13
C6-03-60 010218036 2790993 1-73				61,74,93	35		14,726	3.64	536						
1385064 BEL AIR MODEL LOGWOOD.....		2	7	1-51	10	2.2	10,384	3.57	371	**	26	-583	+.01	-19	-33
06-25-60 1210049 3287598 1-73					17		12,405	3.53	438						
1385140 LAVACRES DUSTY JUAN.....		2	38	1-93	40	1.1	17,847	3.23	577	**	24	+90	-.02	0	+3
09-09-60 1205185 4122648 5-73					103		17,813	3.30	588						
1385225 SKAGVALE ROYAL MONARCH.....	01-13	248	10	6-81,82,	757	1.4	16,866	3.63	613	10	95	+953	-.02	+32	+55
C3-28-60 1305460 4457019 1-73				91,92,93	38		16,025	3.66	586						
1385429 TIFFIN HOLM MIRANDA GEORGE....*		4	17	1-31	35	2.8	13,124	3.56	467	9	42	-357	-.02	-16	-24
C3-13-60 1033434 3247974 5-73					32		13,928	3.63	505						
1385431 TOLEDO RULER GRAND FLEET WINGS*		2	16	1-31	18	2.3	17,619	3.54	602	22	27	+56	-.02	-1	+1
C3-30-60 954278 3898802 5-73					43		17,074	3.64	621						
1385562 QUALITY ZEUS EDJCATOR.....	21-01	46	5	2-13,21	63	4.2	14,945	3.63	543	7	74	+112	+.02	+7	+9
C3-15-60 922288 4029824 5-73					21		14,639	3.61	535						
1385585 NSH CHARCOAL IMPERIAL PARADER.		2	12	2-47,52	14	2.2	12,023	3.44	414	**	26	-62	-.02	-5	-6
C4-26-60 1078162 4180367 5-73					9		12,031	3.54	426						
1385598 BIG ROCK FRASEA KING.....		2	15	1-21	17	1.2	15,141	3.61	547	**	23	+25	-.01	0	+1
C3-24-60 1175596 4362360 5-73					6		15,100	3.66	553						
1385630 LITTLE RIVER WIS GRACE PIONEER*		2	42	1-56	44	3.0	13,687	3.86	520	2	36	-144	+.01	-4	-8
C4-15-59 1013415 4395856 5-73					44		14,138	3.82	540						
1385668 ROSE BROOK VEEMAN SIGNET.....		1	29	1-34	29	3.0	12,921	3.54	458	18	28	-421	+.03	-11	-22
10-08-59 1320015 4475442 5-73					6		14,422	3.45	498						
1385746 SCHUTZHOLM HOESLY VAR.....*		10	22	3-34,35,	39	2.4	13,187	3.63	479	**	39	+76	-.07	-8	-4
C8-30-60 1256437 3941681 5-73				41	26		12,836	3.90	501						
1385800 FLEETRIDGE COMMANDER.....	16-04	33	3	4-13,14,	52	2.9	14,043	3.73	524	18	74	-687	+.06	-17	-35
10-19-59 1139870 2943335 5-73				15,16	27		15,033	3.67	552						
1385871 FARMSTEAD E LEADER GEM.....	34-07	10	17	2-32,34	54	2.1	16,222	3.67	595	19	49	+503	-.01	+17	+29
C5-24-60 1150470 3765696 5-73					33		15,290	3.70	565						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HO	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS REC/DAU HM/DAU	MILK HEROMATE	% MILK	FAT %	FAT	% 1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1385929 JON-DE BARON.....*		9	20	2-35,41	41	3.9	14,892	4.02	599	D	45	-139	+.09	+8	+2
D5-07-59 1295578 3342596 5-73					17		15,294	3.84	587						
1385993 INGLIS SENTRY.....	21-10	371	2	9-11,12,	454	2.3	15,088	3.72	561	15	90	-259	+.16	+13	+3
C5-18-60 1085978 4071579 5-73				13,14,21	24		15,465	3.56	551						
1386074 LARKSPUR ROYAL MADCAP GOV.....*		4	19	1-42	26	2.6	13,966	3.62	506	15	33	+190	-.01	+6	+11
C9-11-60 1305460 3510908 5-73					14		13,272	3.65	484						
1386128 EXRANCO RAG APPLE MAPLE.....	93-03	15	6	2-86,93	56	1.9	17,728	3.39	601	9	66	+698	-.14	+4	+24
C7-20-60 010218036 3800642 5-73					107		16,922	3.57	604						
1386172 MACHOLO VAR SKOKIE.....*		2	7	1-21	12	3.8	17,047	3.43	584	0	33	+462	-.09	+4	+17
C9-19-60 1315498 3175426 9-72					27		15,805	3.66	578						
1386173 MACHOLO PABST SKOKIE.....*		4	4	1-21	13	4.1	14,404	3.75	540	0	40	-107	+.08	+8	+3
10-01-60 1315498 4419141 5-73					38		14,707	3.54	521						
1386279 ADOHR SKOKIE MAJOR.....	93-02	5	14	2-86,93	32	2.1	14,484	3.51	508	**	42	-269	.00	-9	-16
C4-04-60 1215448 3802945 5-73					251		15,218	3.51	534						
1386287 E M C ROCKY ROYAL.....*	93-17	23	11	2-91,93	84	2.3	16,963	3.47	589	12	68	+393	-.04	+8	+18
C9-05-60 1305460 3220638 5-73					43		16,609	3.52	584						
1386291 OIX HILL HYATT GOVERNOR.....	55-01	21	15	1-55	116	2.0	16,299	3.62	590	6	70	-222	-.02	-11	-16
C7-15-60 1194894 3758812 1-73					33		16,853	3.66	617						
1386406 OEE ANN RAG APPLE MAPLE.....*	93-19	1,388	12	40-23,35,	4,431	2.1	15,697	3.65	573	11	99	+602	+.03	+26	+40
10-20-59 010218036 4679674 5-73				41,42,93	43		15,166	3.63	550						
1386617 MAYTAG PANSCO DRMS8Y ARTHUR...		1	19	1-42	19	1.8	10,656	3.15	336	**	24	-408	-.07	-24	-32
12-24-59 1185854 3898627 1-73					4		12,166	3.56	433						
1386655 HERCHENHAHN OIXIE OEAN.....		1	36	1-65	36	2.8	13,530	3.51	474	6	29	+109	-.01	+3	+6
D9-19-60 1322067 3946061 5-73					12		12,978	3.51	456						
1386730 ELEVATION TIDY BALLYHOO.....*	31-02	64	6	6-31,43,	126	2.1	15,095	3.59	542	7	83	+483	-.04	+12	+24
10-02-60 1271810 2923370 5-73				48,56,64	23		14,524	3.64	529						
1386808 LAD MISTY ROAMER.....*		3	9	1-23	15	4.6	13,669	3.48	475	D	35	-196	-.06	-15	-16
C9-13-58 1102436 4094124 5-73					10		14,209	3.66	520						
1386841 WIL-O-ANN VAN LEADER.....*		26	4	9-33,35,	38	3.1	14,989	3.50	524	9	66	+489	-.10	+3	+17
10-03-59 1150470 3530264 5-73				42,57,74	21		14,233	3.65	520						
1386856 OAKTON SOV BURTON TOPPER.....*		4	12	1-31	24	2.8	15,697	3.41	536	21	38	+185	-.05	0	+6
03-10-60 1070845 3661033 5-73					14		15,305	3.54	542						
1386859 CLANYARO RAG APPLE TRI-VIC....	31-07	404	4	19-31,33,	718	1.6	15,524	3.67	570	10	97	+575	+.04	+27	+40
C9-19-60 1182696 3756059 5-73				61,74,84	33		14,989	3.64	545						
1386883 CAMPAIGNER RE-CHARITY.....*		5	64	1-93	74	2.3	16,953	3.40	577	8	31	+182	-.02	+4	+9
06-08-60 1339436 4437557 5-73					70		16,592	3.44	570						
1386917 KNOB VIEW HURLWOOD WALLIE.....*		4	8	3-23,51,	20	3.1	16,098	3.35	539	7	41	+312	-.16	-12	0
C5-10-60 1190632 3841386 5-73				52	18		15,447	3.74	577						
1387097 RICHTAN LAD MOSE.....*		3	49	1-43	57	3.0	14,725	3.45	508	2	33	+147	-.04	-1	+4
C5-11-60 1196645 4393196 5-73					13		14,270	3.59	512						
1387101 WESTOVER SKYLINER ECHO.....		2	15	1-21	21	2.9	12,670	3.33	422	11	33	-17	-.04	-7	-6
C9-11-60 1244845 3714340 9-72					18		12,538	3.49	438						
1387156 COOPER HILL BLACK DIAMOND.....*		11	7	2-14,16	33	3.7	14,174	3.76	533	15	56	-368	+.01	-12	-21
C7-05-60 915940 3819579 5-73					41		14,884	3.77	561						
1387182 IRVINGTON KING.....*		2	14	1-51	18	4.2	12,867	3.56	458	0	32	-306	+.01	-9	-17
C5-24-60 1312592 4258291 5-73					42		13,768	3.54	487						
1387233 SKOKIE HIGHLIGHT.....*		28	1	15-21,31,	30	1.6	13,666	3.51	480	**	63	-123	-.03	-9	-11
07-07-60 1288610 2926195 5-73				32,33,34	55		13,805	3.58	494						
1387275 U NEVADA BURKE STRATE NADA....*		7	7	2-88,93	20	2.0	16,469	3.36	554	**	41	-259	-.02	-12	-18
08-10-59 1220559 3001454 5-73					88		17,407	3.41	593						
1387355 CRACKERLAND ADMIRAL OEWORDP...*		6	3	2-57,64	13	2.4	14,516	3.33	484	0	40	+197	-.03	+2	+8
10-07-60 1214152 3800148 5-73					14		13,976	3.40	475						
1387372 HILLANDALE FARM R PETE.....*		8	3	3-35,42,	15	2.7	14,527	3.49	507	22	44	-11	-.03	-5	-4
09-01-60 1258533 3998614 5-73				43	12		14,572	3.58	521						
1387457 U M OAUNTLESS OUNLOGGIN MASTER		4	6	1-11	14	2.7	14,821	3.49	517	0	34	-103	-.04	-10	-11
07-11-60 1181068 3593769 1-73					21		15,205	3.63	552						
1387464 PINEHURST COMET CHAMPION.....*	35-01	6	3	3-22,35,	11	3.0	14,340	3.57	512	0	37	-138	-.01	-7	-10
11-04-59 1286826 3759073 5-73				74	15		14,753	3.63	536						
1387466 PINEHURST KLAZERINA CYCLONE...*		3	9	1-41	14	3.9	12,144	3.68	447	10	32	-486	.00	-17	-29
07-25-60 1341786 4699514 5-73					13		13,571	3.68	500						
1387615 FLINTSTONE INSIGNIA.....		2	43	1-48	50	3.6	13,119	3.61	474	9	34	-219	.00	-8	-13
C9-22-60 1179372 4158655 5-73					8		13,702	3.63	498						
1387643 MERKING OVATION MAGICIAN.....*		7	4	2-23,51	17	2.9	13,383	3.83	513	**	45	-141	+.02	-2	-6
C5-01-60 1138451 3759050 9-72					27		13,621	3.82	520						
1387797 ELM HOPE GRACIOUS OESIGNER....*		16	4	2-21,23	29	3.7	14,993	3.45	518	13	60	-121	-.07	-14	-15
C1-11-60 1158575 3313560 5-73					22		15,288	3.57	546						
1387834 DIAMOND S SIR CANVAR BVAR.....	91-13	13	6	2-91,93	38	2.6	16,499	3.59	593	4	59	+58	-.01	+1	+3
11-13-59 1240549 3922357 5-73					88		16,625	3.60	599						
1387849 OATSTEAO JEWEL KING.....*		3	5	2-48,91	12	3.0	15,270	3.27	499	0	33	+163	-.07	-5	+1
06-27-60 1226459 4587529 1-73					15		14,824	3.49	518						
1387970 HARTZ TIDY BURKE ELSIE.....		3	30	3-35,42,	34	3.2	13,200	3.65	482	10	31	-168	+.02	-3	-8
C1-17-60 1150470 3994015 5-73				48	8		13,673	3.61	494						
1387978 HARTSBROOK IVANHOE KEN.....	35-75	1,549	4	42-21,23,	3,300	1.5	16,150	3.58	578	12	99	+1,003	-.03	+32	+57
C9-10-60 1189870 3635252 5-73				35,41,55	29		15,222	3.61	549						
1387979 MAN-O-WAR B F CRESCENT OOUBLE.	42-02	112	2	9-23,35,	170	2.4	13,104	3.60	472	22	90	-535	-.02	-22	-34
C6-30-60 1188731 4610498 5-73				42,43,73	14		13,621	3.63	495						
1387980 BURKE B F TRIUNE PAL.....*		2	13	2-35,93	15	3.3	14,912	3.47	518	17	27	-125	-.04	-10	-12
06-05-60 1326679 3990976 5-73					13		15,487	3.63	562						
1388060 U NEVADA IDEAL MIDAS.....		5	48	1-93	70	1.9	17,297	3.60	623	9	36	-149	-.01	-7	-10
11-03-59 1329983 3870831 5-73					21		18,090	3.65	661						
1388078 MAPLE MANOR JERRY.....*		11	2	3-32,43,	15	2.6	14,290	3.50	500	0	48	+56	+.01	+4	+5
C7-30-60 1138441 3670595 5-73				74	19		14,149	3.45	488						
1388153 IVA-NAN EDEN POWER.....*		1	10	1-32	10	2.1	14,182	3.53	501	20	21	-97	-.02	-6	-8
C9-05-60 1345461 4418561 5-73					15		14,684	3.55	536						

REGISTRATION NUMBER / NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS	REC/DAU HEROMATE	MILK	%	FAT	% 1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1386295 ELM-BECCA LAUREL IVAN.....*		8	12	2-23,51	28	2.0	14,302	3.52	504	14	40	+430	-.04	+9	+20
07-10-69 1189870 3586734 5-73					17		13,091	3.64	477						
1388413 JERGENS BERRY SELECT-TWIN.....*		5	3	2-41,47	11	3.4	15,450	3.36	519	0	38	+219	-.10	-7	+1
10-31-69 1152252 4420814 5-73					15		14,921	3.64	543						
1388559 JERGENS DISTINCTION.....*		1	32	1-41	32	3.8	12,220	3.54	432	10	30	-264	.00	-9	-15
10-20-69 1291724 5104481 5-73					15		12,966	3.56	461						
1388585 ARLINDA FORTY-NINER STAR.....	35-75	821	64	41-21,35,	1,867	1.5	16,701	3.36	561	13	91	+687	-.18	-2	+19
06-13-69 1283917 3827015 5-73				41,55,93	60		16,120	3.53	569						
1388614 RDN WAYNE CHIEF.....*		1	26	1-42	26	2.9	11,432	3.70	423	15	28	-378	-.01	-15	-24
10-11-69 1014754 4258437 5-73					24		12,618	3.79	478						
1388711 OENLAH MASTER LEIGH.....		2	25	1-55	27	2.0	12,459	3.65	455	**	27	-311	+.01	-10	-18
11-24-59 1056477 3751954 5-73					17		13,516	3.63	491						
1388721 LAVACRES DUSTY MERRIT.....	35-75	1,606	9	45-21,35,	3,992	1.5	14,484	3.57	517	16	99	-647	-.03	-27	-42
09-26-69 1205185 4151544 9-72				41,48,55	43		15,221	3.60	548						
1388724 LAVACRES DUSTY SUMMER.....*		11	13	3-52,54,	37	2.6	14,664	3.64	534	23	48	-280	+.08	+1	-8
11-14-69 1205185 3882799 5-73				55	36		15,352	3.48	534						
1388742 RICH-HERD HIGHCROFT REFLECTION*		6	31	1-93	40	2.4	16,056	3.62	582	39	32	+44	+.04	+8	+8
02-02-69 010249633 4295149 5-73					40		16,088	3.49	561						
1388836 LAVACRES DUSTY DESTINY.....*	23-09	88	3	8-21,23,	133	2.3	13,848	3.52	488	13	87	-576	-.17	-45	-54
07-21-69 1205185 2854856 5-73				50,52,93	23		14,526	3.74	543						
1388895 PENSTATE BETSEY IVANHOE.....*	23-04	410	3	4-14,21,	745	2.8	14,082	3.95	556	15	98	-451	+.22	+15	-1
07-25-69 1189870 3279561 9-72				23,51	16		14,562	3.73	543						
1388897 WILLMONT MAGIC ANDY.....*		22	2	4-31,32,	36	2.9	15,043	3.42	515	6	68	+453	-.10	+2	+15
10-27-69 1138451 3438087 5-73				34,64	14		14,371	3.56	511						
1388938 CLEAR VALLEY IMPERIAL OE KOL..*		2	16	1-93	18	1.4	15,852	3.39	538	22	24	+223	-.02	+5	+11
09-26-69 1038509 4798651 5-73					28		14,973	3.47	519						
1388952 FAIR HILL DELLA DART.....	51-02	288	4	12-23,50,	615	2.0	14,411	3.67	529	9	96	+222	-.01	+6	+12
08-28-69 1151349 3267041 9-72				51,52,54	23		14,157	3.69	523						
1388985 FAIR HILL DELLA LANCER.....*		7	6	2-51,52	18	3.1	11,808	3.78	446	18	42	-819	.00	-29	-49
11-16-69 1151349 4153308 5-73					54		13,701	3.78	518						
1389101 ROBTHOM GOVERNOR SKY LAD.....*		1	38	1-43	38	3.0	15,153	3.47	526	0	29	+163	-.03	+1	+6
09-02-69 1244845 3789231 5-73					17		14,621	3.58	524						
1389171 LYON BROOK NOEL PRINCE.....*		5	14	3-13,14,	26	4.2	14,454	3.55	513	17	40	-40	-.05	-9	-9
02-24-69 1315498 3938067 5-73				21	16		14,586	3.71	541						
1389191 BS4 CHIEF EMP DOTTIE LIEGE....*		4	9	1-47	20	2.5	17,034	3.35	570	14	39	+266	-.09	-3	+6
07-02-69 1300012 4100533 5-73					49		16,573	3.54	586						
1389199 DELFKES DUKE BONHEUR.....*		1	10	1-41	10	3.3	14,020	3.64	511	11	23	-93	+.02	-1	-4
09-22-69 1144239 4181631 5-73					13		14,431	3.62	522						
1389269 MONARCHIAL SIGNET PAT.....*		23	8	2-41,46	70	2.6	13,846	3.76	520	16	70	-380	+.08	-2	-13
11-10-69 010249530 3914720 5-73					13		14,390	3.65	525						
1389341 BRAUNSIDE SKYLINER MAVERICK...*		3	13	1-51	17	2.3	13,385	3.66	490	**	28	-164	.00	-6	-10
11-19-69 1244845 3434109 5-73					17		13,922	3.71	516						
1389361 HICKORY HACKS ORMSBY SUPREME..*		1	17	1-61	17	2.2	14,047	3.47	488	17	25	-18	.00	-1	-1
09-21-69 010249633 4474612 5-73					26		14,094	3.51	495						
1389369 GLADTIME SUNNY SEXTON-TWIN....	21-10	138	1	7-11,13,	151	2.1	14,987	3.63	544	12	90	-259	+.05	-2	-9
10-05-69 1285978 3594768 5-73				14,16,21	24		15,373	3.58	551						
1389376 FREEBAER BARON COLONEL.....		12	3	1-21	20	2.0	13,866	3.81	528	29	50	-555	+.12	-3	-19
11-06-69 1296038 4809218 5-73					31		15,047	3.57	537						
1389436 LEARN FARMS LEADER TRIUMPH....		1	16	1-34	16	2.9	15,601	3.41	532	0	27	+506	-.06	+10	+24
07-06-69 1319636 4244935 5-73					9		13,612	3.60	490						
1389471 JOEDGRAPH FOBES KENNEDY.....*	21-10	2,152	6	32-11,13,	5,356	1.9	15,896	3.51	558	14	99	+395	-.07	+4	+15
06-12-69 1223243 4254275 1-73				14,16,21	25		15,622	3.57	558						
1389474 OAVIS FARM JET PILOT.....*		5	12	1-11	19	3.1	14,601	3.86	564	7	34	-154	+.03	-1	-5
09-23-69 1294305 4341459 5-73					11		15,134	3.81	576						
1389491 OTTER VALLEY HOMESTEAD JOE....*		5	5	2-13,21	12	5.1	13,167	3.73	491	9	38	-94	+.04	+3	0
07-26-69 1331869 4779152 5-73					18		13,308	3.61	480						
1389585 WINFARM REFLECTION.....*		15	10	4-14,16,	43	3.0	15,517	3.80	590	3	57	-296	+.08	0	-9
10-14-69 1298430 3097993 9-72				21,43	23		16,218	3.70	600						
1389588 YANKTON CAPTAIN.....		4	15	1-45	23	2.5	15,543	3.65	567	5	35	+144	-.02	+2	+6
12-07-69 1144239 2955209 5-73					11		15,214	3.72	566						
1389602 KINGSTEAD CHAMPION MICAH.....*		9	19	4-50,51,	34	2.3	17,946	3.54	635	0	38	+749	-.03	+23	+42
09-04-69 1224856 3077799 5-73				52,55	33		16,140	3.59	580						
1389712 KETCH KREST SKYLINER SEXTON...*		4	4	1-21	13	3.3	15,042	3.64	548	8	39	-202	+.01	-6	-11
08-30-69 1244845 4625971 5-73					19		15,698	3.64	571						
1389789 RAG APPLE ARISTOCRAT ROBURKE..*		1	10	1-21	10	3.6	14,346	3.77	541	0	24	-31	+.04	+5	+3
01-06-69 1124780 4358044 5-73					25		14,490	3.60	522						
1390063 MODIE PRIMO OEAN VAR.....*		2	34	2-23,35	40	2.9	12,199	3.28	400	9	32	-81	-.04	-9	-10
11-18-69 1305613 4176982 5-73					35		12,238	3.43	420						
1390106 PABST ADMIRATION WAYNE.....*	35-04	23	1	8-21,23,	27	3.1	13,649	4.00	546	13	65	-505	+.24	+15	-3
07-22-69 1358647 4359028 5-73				35,42,46	16		14,436	3.63	524						
1390142 WINTERTHUR NOEL KNIGHT PRINCE.*		1	14	1-51	14	3.6	11,886	3.68	437	0	27	+43	.00	+1	+2
11-07-69 1328538 4622993 5-73					12		11,431	3.70	423						
1390194 COCHRAN DAWN DESIGN.....*		6	3	1-21	14	2.4	14,079	3.61	508	25	40	-571	.00	-21	-35
09-25-69 1157157 3648279 9-72					26		15,618	3.62	566						
1390206 BEREA ORMSBY JERRY-TWIN.....*		2	13	1-61	15	3.6	17,027	3.45	588	7	29	+444	-.01	+15	+26
10-20-69 1138441 3959084 5-73					16		15,602	3.44	537						
1390255 CARNATION ROYAL OFFICER.....*		5	7	1-42	14	2.9	14,405	3.35	483	13	33	-24	-.03	-5	-5
10-26-69 1305460 4434220 5-73					18		14,493	3.44	499						
1390263 CARNATION BUTTER BOY MERIT....	91-11	133	2	21-21,23,	182	1.5	13,442	3.68	494	15	91	-583	+.06	-17	-35
11-13-69 1152252 4434202 5-73				35,42,73	15		14,176	3.62	513						
1390285 MEADOW FOBES RECOVERY.....		8	18	3-33,35,	36	1.7	14,094	3.63	512	6	37	+68	+.03	+7	+8
05-16-69 1159470 2731620 5-73				41	15		13,859	3.54	490						
1390367 OARK BRADY BURKE ORMSBY ANDY..*		1	29	1-71	29	4.1	13,933	3.50	488	14	30	-258	+.04	-3	-10
09-06-69 1281874 2373391 5-73					25		14,845	3.37	501						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS	REC/DAU	MILK	%	FAT	% IST INC	% REPT	PREDICTED DIFFERENCES MILK	%	FAT	$$
1390482 ELMVALE TEXAL RAG APPLE.....*		4	12	1-21	17	3.3	15,035	3.59	538	13	32	-194	-.04	-12	-16
11-11-50 1224259 3005722 5-73					17		15,754	3.71	584						
1390505 VALLA VISTA PROUD CAREY.....	48-01	103	4	2-48,73	246	1.8	14,438	3.54	511	15	91	-319	+.01	-10	-18
08-25-60 1136455 4425760 5-73					25		14,835	3.53	523						
1390539 BONO HAVEN CENTURION ROSAFE...*		3	17	1-34	24	2.0	11,334	3.49	395	**	31	-463	-.02	-19	-30
01-18-60 010239301 011231000 5-73					6		12,651	3.58	453						
1390543 GLENAFTON PROMISE RAG APPLE...*	34-07	29	27	5-31,32,	84	2.6	14,857	4.03	599	13	54	+91	+.18	+30	+27
07-26-60 010249530 010078140 5-73				34,35,52	15		14,731	3.70	545						
1390542 ALDEEN WICKWOOD SKOKIE.....*		4	27	1-23	33	2.9	14,186	3.61	512	7	32	-113	-.02	-7	-9
10-13-60 1312592 4398802 5-73					22		14,551	3.70	539						
1390570 LYREEDALE TY VIC ROSAFE.....*		2	153	1-86	161	2.0	16,737	3.49	583	22	30	+33	-.01	0	+1
08-04-60 1138451 4442606 5-73					119		16,840	3.51	591						
1390589 COUNT RACHEL WOODSON.....*		7	16	1-48	45	2.4	11,275	3.59	405	18	49	-906	+.01	-31	-53
10-27-60 1158575 4302748 5-73					10		13,006	3.58	466						
1390637 FREEBAER MATCHMAKER.....*		8	4	1-21	16	1.9	14,037	3.53	495	38	41	-278	+.01	-9	-16
11-23-60 1333330 4441044 5-73					21		14,762	3.52	520						
1390686 CHRISTY TALISMAN.....*		1	31	1-35	31	3.0	11,740	3.61	424	10	29	-319	.00	-12	-20
10-22-60 1265747 3953182 5-73					11		12,675	3.64	462						
1390735 FLEETRIDGE COUNT.....*		4	14	1-16	21	3.6	16,614	3.74	622	10	34	+457	+.02	+19	+29
09-09-60 1124780 3151228 5-73					38		15,359	3.72	571						
1390764 ROCKYMEAD PILOT DEAN.....*		1	10	1-42	10	3.4	15,533	3.43	533	13	24	+106	-.04	-2	+2
12-15-60 1334049 4126596 5-73					7		15,166	3.62	549						
1390841 EM BEE TRANSMITTER GREAT-TWIN.*		14	21	3-35,42,	118	2.5	14,434	3.66	528	6	67	+8	.00	0	0
05-23-60 1242799 3187307 5-73				65	11		14,425	3.68	531						
1391048 BUDD FARM ROYAL DUPLICATOR....*		3	32	1-34	59	2.2	14,811	3.38	500	22	40	+470	-.11	0	+14
11-20-60 1336065 3062191 5-73					55		13,566	3.68	499						
1391084 HAROEN FARMS NOEL ADJUDICATOR.		1	49	1-21	49	2.9	15,263	3.23	493	10	30	-195	-.03	-11	-15
09-04-60 1315498 4227551 5-73					21		16,094	3.33	536						
1391173 CORLAN FARMS IVANHOE DEACON...	48-01	374	10	11-23,33,	1,705	2.1	14,876	3.49	519	13	98	+375	-.06	+4	+15
10-26-60 1189870 2939718 1-73				47,48,73	21		14,504	3.54	514						
1391215 OEL-VAC TRANSMITTER W R.....		4	39	1-93	81	1.5	16,304	3.52	574	14	42	-380	.00	-14	-23
10-09-60 1322863 3925908 5-73					27		17,533	3.54	620						
1391265 POLYTECHNIC JO BONO.....		1	44	1-93	44	1.4	14,580	3.50	511	15	25	+51	-.02	-1	+1
06-08-60 1330261 3853581 5-73					49		14,373	3.60	517						
1391280 SKOKIE ROYALIST.....*		12	41	5-35,41,	110	2.5	15,879	3.50	555	17	52	+473	-.11	+1	+15
12-11-60 1288610 3785642 5-73				45,46,47	20		15,028	3.70	556						
1391447 GARWOOD IVANHOE.....*	35-05	399	4	14-32,33,	778	2.0	14,189	3.56	505	18	97	-388	-.11	-30	-36
10-20-60 1189870 4592034 5-73				35,41,42	16		14,611	3.69	539						
1391469 WIS PIONEER COUNT RAVEN.....*		6	9	2-35,85	20	2.7	13,399	3.55	476	7	38	-401	.00	-14	-24
09-10-60 1292880 4048825 5-73					25		14,453	3.57	516						
1391475 WIS IDEAL PERFECTION BURKE...*		6	23	3-35,41,	38	2.6	14,899	3.44	512	14	38	+363	-.04	+7	+17
11-09-60 933122 3825633 5-73				42	13		13,895	3.53	490						
1391477 WIS DOUBLE PIONEER.....*		3	34	2-22,35	43	2.1	12,516	3.77	472	13	32	-381	+.08	-3	-14
10-24-60 1330357 4640718 5-73					12		13,639	3.52	480						
1391506 MOWRY ELSIE LEADER WOODMASTER.*		3	15	1-23	19	2.5	15,697	3.55	558	**	29	-443	+.01	-15	-26
06-16-60 1150470 3766095 5-73					41		17,536	3.56	624						
1391639 HAYSSEN GOLD VICTORY.....*		26	1	8-13,14,	26	1.9	13,703	3.72	510	**	61	-894	+.07	-15	-33
11-15-60 1339948 4161300 5-73				16,21,23	33		14,885	3.61	538						
1391652 COLRIDGE MADCAP BELLE BOY.....		3	17	1-84	24	1.6	13,849	3.07	425	**	29	-89	-.04	-9	-10
11-26-60 1152252 4554428 5-73					33		14,132	3.19	451						
1391688 INGLIS BURKGOV ABE.....	41-01	574	3	10-41,45,	1,050	1.5	15,626	3.44	538	14	98	+905	-.14	+11	+36
07-13-60 1038509 3932781 5-73				46,82,87	16		14,736	3.58	528						
1391841 KENTSON BONNIE LADDIE.....		2	10	1-14	16	3.0	11,871	3.69	438	20	32	-455	-.03	-20	-30
08-26-60 1210078 2728367 5-73					81		13,169	3.80	501						
1391902 MAYTAG BURKGOV DICTATOR.....*		7	13	1-42	26	2.9	16,195	3.52	570	6	40	+576	-.05	+13	+28
10-31-60 1038509 4635008 5-73					9		14,794	3.65	540						
1391977 ROMANDALE PINEY HILL PONTIAC..	91-13	493	16	16-81,82,	2,426	1.8	15,608	3.61	564	15	98	-121	-.03	-9	-11
11-24-59 010264804 011254853 5-73				91,92,93	37		15,882	3.65	580						
1392002 RIDGELY ELDORADO.....*		3	11	2-12,13	15	4.4	15,704	3.49	548	7	31	+340	-.06	+3	+13
11-22-60 1148087 3520143 5-73					12		14,645	3.70	542						
1392018 BURKE PEHRSONS CARNATION-TWIN.	41-01	157	1	5-35,41,	191	2.0	13,128	3.53	464	17	92	-1,042	-.04	-43	-67
08-16-60 1197317 4056045 5-73				42,45,46	15		14,248	3.59	511						
1392019 ARLENDEL RAVEN ORMSBY.....*		3	5	1-35	12	3.1	11,273	3.70	417	9	34	-567	+.01	-19	-33
05-05-60 1254447 3512457 5-73					16		12,757	3.67	469						
1392021 SIR SEGIS OLLIE.....*		1	12	1-41	12	4.6	14,749	4.07	601	0	27	-15	+.09	+13	+10
11-12-60 1258673 3968369 5-73					27		14,856	3.75	557						
1392068 CLOVERTOP SIR DELLA NIFTY.....*		4	11	1-51	16	2.9	13,556	3.79	514	14	31	-282	-.02	-13	-19
10-26-60 1151349 4011323 5-73					29		14,466	3.90	564						
1392233 KNOB LICK VISCOUNT POSCH.....*	63-03	71	8	6-43,57,	237	2.0	13,786	3.63	500	4	88	-571	+.05	-14	-29
10-23-60 1189870 3686946 5-73				61,63,65	31		14,441	3.58	517						
1392259 DAYTON OAKK PRILLY ECHO.....*		6	19	1-31	42	2.2	15,204	3.52	535	2	43	+324	+.01	+13	+20
12-25-60 1135615 3654457 5-73					32		14,434	3.48	503						
1392301 CULVER GOMAR DICTATOR DEAN....*		11	2	2-32,34	18	2.9	13,367	3.61	482	9	52	-381	+.01	-12	-21
07-05-60 1297090 3975342 5-73					11		14,075	3.60	506						
1392384 CARDACRES PROFILE NED.....*		13	3	5-35,41,	27	1.6	12,660	3.63	459	**	56	-1,489	.00	-54	-89
12-17-60 1159417 4669162 5-73				46,74,86	25		15,451	3.64	563						
1392403 RAVENGLEN VICTOR TRIUNE.....*		4	19	1-42	29	3.2	12,604	3.64	459	5	36	-321	+.04	-6	-15
01-03-61 1297169 3329275 5-73					9		13,393	3.55	475						
1392459 ROMOLYM ROYAL MAGIC.....*		6	6	2-14,16	20	2.5	14,413	3.95	569	12	43	-274	+.08	+2	-7
09-01-60 1138451 4161016 5-73					39		15,128	3.77	570						
1392531 RINCON VAR SKYVIEW.....		2	24	1-93	26	3.8	17,413	3.64	634	0	31	+92	.00	+4	+6
09-13-60 1244845 4143543 5-73					25		17,416	3.64	634						
1392552 ZELDENRUST DICTATOR.....*		8	14	3-32,34,	35	1.9	12,158	3.53	430	16	43	-715	-.03	-30	-46
08-07-60 1339425 2931936 5-73				35	23		13,793	3.63	501						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS	REC/DAU HEROMATE	MILK	%	FAT	% 1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1392559 SUNNYSIDE ROSE PRIDE.....	31-07	38	8	8-31,34,	107	1.6	14,714	3.57	526	4	76	+98	.00	+3	+5
12-16-60 1196645 3907243 5-73				35,52,63	21		14,606	3.57	522						
1392562 SUNNYSIDE ANNETTE BURKE IDEAL.*	35-05	40	2	6-33,35,	51	2.4	13,841	3.61	500	19	75	-541	-.05	-26	-38
C1-25-61 1113350 3780372 5-73				41,42,51	16		14,584	3.69	538						
1392565 BILLVER IDEAL OLIVER-TWIN.....		3	9	3-41,61,	15	2.6	16,729	3.57	598	20	32	+473	-.03	+12	+24
C1-14-61 1113350 4173854 5-73				85	17		15,330	3.69	566						
1392774 FERNHAME IVANHOE EMPEROR.....	23-13	815	15	26-23,51,	4,056	2.4	14,319	3.74	535	8	99	+57	+.04	+8	+8
12-19-60 1189870 3227192 5-73				52,54,57	23		14,247	3.71	528						
1392858 NO-NA-ME FOND MATT.....*	31-07	1,014	7	33-31,33,	3,161	1.4	15,857	3.67	582	10	99	+472	+.06	+26	+36
12-20-60 1243697 3580419 5-73				61,74,85	33		15,490	3.62	560						
1392867 GRAYHOLME ROSAFE SUPREME.....*		1	18	1-31	18	4.3	15,508	3.84	596	6	28	-173	+.02	-3	-8
C9-28-60 1138451 4412744 5-73					7		16,318	3.80	620						
1392881 SINGING BROOK PROUD EMBLEM....*		3	14	2-22,23	18	2.3	14,194	3.76	533	29	28	-318	+.02	-8	-16
C7-14-60 1356882 4059205 5-73					23		15,420	3.70	570						
1393031 KILINSDALE IVANHOE JACK.....*	23-09	903	8	24-14,23,	2,591	1.7	15,676	3.51	550	9	99	+701	-.20	-5	+17
12-17-60 1189870 3969975 5-73				50,51,93	24		15,029	3.73	560						
1393064 VALLEY DELL NOEL DUKE.....*		3	15	1-21	28	3.0	14,986	3.43	514	4	39	+129	-.01	+3	+6
10-25-59 1315498 4512290 5-73					21		14,687	3.43	504						
1393083 JOSFA ACE DAISY PRINCE.....		1	10	1-34	10	4.3	13,225	3.77	499	0	25	+41	+.01	+3	+4
11-16-60 1335650 3971309 1-73					8		12,915	3.75	484						
1393337 SAGUARO ARISTOCRAT.....		1	54	1-86	54	2.5	14,956	3.36	502	10	29	-10	-.02	-3	-3
10-28-60 1124780 4671172 5-73					27		15,062	3.42	515						
1393589 MAYERS DUKE SENATOR MAC.....*		1	17	1-86	17	2.7	17,784	3.36	598	**	26	+343	-.04	+7	+16
C3-04-60 1293580 3881351 5-73					34		16,682	3.45	576						
1393457 LIN-LO LADYMONT QUEEN VEEMAN...		1	13	1-34	13	3.5	12,790	3.45	441	0	26	-315	-.02	-14	-21
11-30-60 1224078 3788203 5-73					3		13,974	3.57	499						
1393465 WALT-JEAN SKYLINER AUGIE.....*		8	8	3-34,35,	22	2.1	16,107	3.39	546	24	41	+38	-.09	-12	-9
C8-35-60 1244845 4332419 5-73				63	12		16,193	3.61	585						
1393607 BELLE-GRANT MILSONS DUKE.....*		1	21	1-34	21	3.4	16,754	3.58	599	0	28	+211	-.05	0	+6
10-15-60 1053895 3487225 5-73					13		16,188	3.75	607						
1393629 CAROLDALE SKOKIE FOBES.....*		8	14	2-31,65	29	3.6	13,510	3.40	459	4	42	+129	-.07	-6	-1
C8-38-60 1315498 3759991 5-73					25		13,068	3.60	471						
1393645 CASWELL WILL COLANTHUS JIM....	31-07	106	9	15-31,33,	248	1.5	15,332	3.68	564	18	87	-323	+.05	-4	-13
12-19-60 1174788 3729193 5-73				55,61,74	34		15,852	3.63	576						
1393704 KYLAND PREMIER SIR KOBA.....*		1	25	1-42	25	3.1	12,609	3.66	462	13	28	-188	.00	-7	-11
C4-20-60 1126392 3884242 5-73					6		13,168	3.69	486						
1393721 CULVER LAD DICTATOR AJAX.....*	32-02	18	45	4-32,33,	121	2.6	15,183	3.66	555	15	52	-138	-.05	-12	-14
C9-14-60 1160414 3975343 5-73				43,57	22		15,566	3.76	586						
1393766 OATS FARM DUKE JAMES-TWIN.....	35-75	332	3	32-21,32,	554	1.3	15,060	3.47	523	16	96	-129	-.12	-22	-22
C7-18-60 1315498 4420848 1-73				35,41,93	23		15,285	3.60	550						
1393838 KANZA SKYHAWK SAL.....*		4	17	2-34,48	24	2.6	12,389	3.56	441	5	33	-444	+.01	-14	-25
10-28-60 1289574 3792966 5-73					6		13,661	3.53	482						
1393854 VALLA VISTA SUE MORRIS TRIUNE.	34-01	247	4	4-32,34,	510	1.4	15,007	3.85	578	14	95	+202	+.22	+40	+39
12-07-60 1268290 3443348 1-73				48,55	18		14,839	3.63	538						
1393904 LUDWIG RAVEN BURKE FOBES.....		1	13	1-42	13	2.9	10,498	3.80	399	**	25	-179	+.01	-5	-10
12-19-60 1223921 2915497 5-73					3		10,865	3.78	411						
1393960 M A A JEAN CREAMELLE.....*		1	12	1-92	12	2.3	16,174	3.72	602	20	23	-171	+.02	-4	-8
C5-17-60 1237401 3407182 5-73					10		17,204	3.69	635						
1393997 PROVIN MTN IVANHOE JEWEL.....*	35-05	273	9	14-21,34,	640	1.5	16,620	3.73	620	10	94	+706	+.02	+29	+45
12-04-60 1189870 3993901 5-73				35,41,42	22		16,034	3.72	597						
1394010 MT JOSEPH WIS DEAN PILOT.....*		3	49	2-43,48	53	3.2	12,785	3.34	427	4	32	-118	-.01	-5	-8
11-22-60 1188192 4389846 5-73					60		13,021	3.37	439						
1394047 STOWELL FARMS KING BUSTER.....	21-01	46	1	4-13,21,	47	3.2	14,806	3.42	506	0	77	-68	-.10	-17	-16
C8-04-60 1038509 2903874 5-73				23,55	23		14,951	3.54	530						
1394063 G LEAN REGAL KING.....*		2	63	2-43,73	67	2.8	11,942	3.71	443	4	32	+74	+.01	+4	+6
C8-04-60 1281461 3824820 5-73					18		11,408	3.70	422						
1394117 RAG APPLE GLENAFTON JOE.....		1	32	1-52	32	2.2	13,838	3.28	454	30	27	-72	-.04	-8	-9
C7-31-60 1322069 3742811 5-73					22		14,075	3.43	483						
1394134 OUNCO CAPTAIN JUPITER.....*		9	10	4-22,33,	24	2.9	15,356	3.65	561	24	41	+240	-.01	+7	+13
C9-16-60 1144239 4059888 5-73				35,41	24		14,818	3.68	546						
1394292 ROSNI CONQUEROR ARISTOCRAT....*	23-11	141	2	2-22,23	197	3.0	14,011	3.76	527	12	92	-577	+.11	-6	-22
12-24-60 1124780 3632376 5-73					16		14,654	3.66	536						
1394348 LONE RANCH IDEAL KATE WARD....	35-75	1,649	24	45-35,41,	4,160	1.5	15,216	3.52	536	11	98	+220	-.05	0	+7
C7-16-60 933122 3311904 5-73				55,58,93	47		15,059	3.58	539						
1394399 SILVERLANE LEADER ELOA DAVY...*		6	8	1-55	21	3.5	15,666	3.38	530	12	44	+380	-.04	+8	+18
C3-17-60 1150470 3463074 5-73					28		14,838	3.44	511						
1394429 HEWFIELDS CON-VIC.....*		5	5	1-34	11	2.8	14,665	3.52	516	0	33	-181	+.01	-5	-10
11-20-60 1150277 3156223 5-73					18		15,317	3.51	537						
1394497 COUNTRY VUE MILLIE OON.....*		2	15	1-23	17	3.3	14,958	3.60	538	6	28	-96	.00	-4	-6
C4-14-60 1015248 2705570 1-73					16		15,404	3.64	561						
1394532 PRIDE MAN-O-WAR PRIME.....		1	11	1-41	11	3.5	15,211	3.52	536	**	25	+111	+.02	+7	+9
10-17-59 1213880 3908365 5-73					7		14,804	3.41	505						
1394611 THOMPSON OAKS SKYLINER.....*		12	1	4-23,51,	12	2.2	13,961	3.42	478	25	43	+292	-.09	-2	+7
11-18-60 1244845 4226683 5-73				52,55	16		13,163	3.66	482						
1394621 SKOKIE DUKE ECHO.....*		3	9	1-87	16	3.4	12,730	3.79	483	17	35	-301	-.01	-12	-19
12-27-60 1288610 4096043 5-73					7		13,506	3.84	519						
1394655 EDELMA JERRY PROSPECT.....	35-21	412	3	17-33,35,	761	1.7	15,480	3.43	531	14	97	+476	-.24	-18	0
C1-03-61 1138441 4667678 5-73				41,42,43	17		15,057	3.68	554						
1394669 DELLFIELD ARGIL.....*		2	9	1-93	11	3.5	16,592	3.20	595	13	27	+162	-.09	-7	-1
C1-15-61 1314623 4068598 5-73					71		16,382	3.45	635						
1394746 MAGICIAN ROSEMERE.....	63-03	11	2	1-63	18	1.9	11,572	3.69	427	18	48	-390	+.03	-10	-20
C3-21-60 1138451 3302323 5-73					17		12,158	3.64	442						
1394749 AL-MUR NEPTUNE JULIUS.....		2	28	1-42	35	2.9	13,934	3.50	488	4	33	+364	-.05	+6	+16
C6-22-59 1319485 4561819 5-73					6		12,666	3.68	466						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS HM/DAU	REC/DAU HERDMATE	MILK	%	FAT	% 1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1394823 GREENWOOD IVAN WAYNE.....*		3	17	1-22	29	2.4	15,232	3.60	548	11	36	+125	-.02	+1	+5
C7-13-60 1189870 3449881 5-73					29		14,944	3.66	547						
1394824 GREENWOOD IVAN SIR.....*		25	6	5-21,22,	54	3.3	15,667	3.55	556	8	69	+502	-.04	+12	+25
10-15-60 1189870 3876809 5-73				23,55,63	28		15,004	3.61	541						
1394831 ELLENVALE CREATDR OUKE.....*		16	2	3-35,41,	27	2.8	14,133	3.54	501	38	61	+34	-.08	-11	-8
01-12-61 1330985 3774745 5-73				42	15		14,043	3.71	521						
1394936 STEVELAWN MASTER MUTUAL.....		1	44	1-34	44	2.7	13,471	3.41	460	0	29	+28	-.02	-2	-1
10-17-58 1333433 3728639 5-73					14		13,261	3.50	464						
1394970 HAYSSEN O V SOVEREIGN.....*		1	21	1-35	21	3.5	17,262	3.41	588	0	29	+123	-.07	-5	C
C1-16-61 1309948 4650071 5-73					11		17,109	3.61	617						
1395022 SUPER VIEW SKYLINER.....*		9	4	3-81,82,	21	2.9	15,538	3.43	533	6	51	+289	-.05	+3	+11
11-13-60 1244845 4388978 5-73				87	11		15,031	3.52	529						
1395071 WAYBROOK PARAMOUNT-TWIN.....*	23-09	472	4	15-21,22,	941	2.0	13,729	3.92	538	14	98	-959	+.21	-7	-35
12-10-60 1243697 5245054 5-73				23,50,51	20		14,747	3.72	549						
1395115 TIDY BURKE MISCHIEF.....*		2	21	1-48	23	2.9	14,570	3.45	502	21	29	-77	.00	-3	-5
C3-17-60 1329249 2926182 5-73					9		14,891	3.47	517						
1395116 TIDY BURKE MAINSPOKE.....*		16	9	4-35,41,	47	2.9	16,233	3.59	582	11	60	+308	+.01	+12	+19
08-21-60 1329249 3825990 5-73				48,74	21		15,870	3.57	566						
1395117 TIDY BURKE GILT EDGE.....*	35-05	29	4	4-33,35,	62	3.1	15,020	3.53	530	14	76	+589	-.10	+7	+24
C8-24-60 1329249 3348174 5-73				42,74	14		14,227	3.66	521						
1395147 COYNE FARMS NOEL CHRIS.....*		4	3	1-21	11	3.3	15,983	3.62	578	13	37	+83	+.03	+8	+9
07-07-60 1315498 3316080 1-73					52		15,908	3.51	559						
1395357 LAVACRES DICTATOR PRESCOTT....*		8	22	2-86,92	68	3.6	16,124	3.50	564	12	55	-214	.00	-8	-13
12-07-60 1204163 4616594 5-73					27		16,754	3.51	588						
1395380 EJLANE INSIGNIA WILSON-TWIN...*		5	17	1-32	31	2.4	14,143	3.65	516	8	38	+96	.00	+4	+6
01-05-61 1179372 4736575 5-73					19		13,836	3.64	504						
1395384 SCHAFFERLANO B 8 PIOON.....*	35-21	4	38	1-41	63	2.6	14,742	3.87	571	27	38	+22	-.01	0	+1
C9-07-60 1198696 3651857 5-73					28		14,717	3.91	576						
1395431 BEAU ROBARON HAYDEN.....		1	19	1-41	19	2.6	13,041	3.28	428	37	25	+143	-.07	-5	C
01-01-61 1313355 3355250 5-73					6		12,260	3.62	444						
1395599 KYLANO BONNY COUNT.....*		8	65	1-43	95	2.8	10,670	3.81	406	12	39	-321	+.05	-5	-14
02-10-61 1255166 3096393 5-73					37		11,185	3.67	411						
1395606 BOTTHAVEN MAGICIAN WARRIOR....*		6	47	2-22,34	56	2.5	15,015	3.75	563	19	33	0	+.03	+4	+3
C2-14-61 1138451 4564261 5-73					33		15,088	3.69	556						
1395663 SKOKIE CORONATION.....*		26	11	9-23,34,	79	2.5	14,573	3.78	551	6	68	-322	+.10	+2	-8
C1-03-61 1352968 2724579 5-73				47,51,93	63		15,118	3.65	552						
1395679 HILLDON JOLLY FLUKE.....*		1	71	1-84	71	1.2	12,379	3.39	420	3	25	C	-.01	-1	-1
C8-13-60 1318753 4051090 5-73					54		12,154	3.42	416						
1395713 MAVIEW FOREST TOGUS.....		1	79	1-57	79	2.2	14,729	3.69	544	15	29	-139	+.01	-4	-7
12-12-60 1260169 3804035 5-73					10		15,306	3.69	565						
1395838 ROMANOALE CELEBRITY.....*	34-01	230	5	12-22,32,	428	1.8	12,818	3.83	491	26	94	-1,623	+.20	-33	-76
09-27-60 010198998 011041914 9-72				33,34,35	18		14,557	3.63	528						
1395845 MAYERS CAPITAINE OUKE MAJESTY.*		5	6	3-41,45,	12	2.9	15,048	3.67	553	0	33	+173	+.04	+12	+15
10-05-60 1394692 4725042 5-73				46	18		14,532	3.55	516						
1395851 MAYERS OUKE MAY KING.....*		10	33	2-35,45	52	2.9	14,501	3.85	558	9	39	-344	+.01	-11	-19
01-31-60 1293580 3638102 5-73					19		15,494	3.85	597						
1395854 MAYERS DUKE MONARCH.....*		11	10	3-34,35,	34	2.5	13,997	3.73	522	9	48	-359	+.04	-7	-17
10-04-60 1293580 3638099 5-73				41	20		14,784	3.66	541						
1395856 MAYERS DUKE MAJESTY LESTER....*		8	6	1-42	24	3.3	13,251	3.73	494	0	49	-146	+.02	-2	-6
12-11-60 1293580 3784070 5-73					8		13,457	3.70	498						
1395908 SMITHOLM R LESTER.....*	35-05	91	2	10-21,23,	137	1.8	13,829	3.62	501	24	88	-685	-.02	-27	-43
10-26-60 1298430 4052242 5-73				35,41,42	19		14,635	3.65	534						
1396188 MEARS ORMSBY TRIUMPH.....*		6	14	2-12,21	27	2.4	12,954	3.79	491	27	39	-340	+.02	-9	-18
11-16-60 1216668 3364971 5-73					13		13,775	3.75	516						
1396199 SANMARGALE WIS MARVEL.....*		4	29	2-31,48	61	2.9	14,694	3.68	541	20	45	-239	-.02	-11	-16
C2-05-60 1056870 3106450 5-73					29		15,319	3.74	573						
1396263 WIS PRINCE.....*		5	33	1-43	44	2.2	10,730	3.75	402	6	33	-216	+.02	-5	-11
C1-20-61 1330357 3223506 5-73					48		11,060	3.71	410						
1396270 WIS ROMEO.....*		59	1	11-13,16,	62	2.1	14,232	3.66	521	**	80	-336	+.04	-7	-16
C1-19-61 1292880 3111751 5-73				21,22,23	24		14,684	3.63	533						
1396302 MAPLE LAWN SKYLINER JOE.....*		2	44	2-51,55	46	3.7	17,210	3.35	576	10	32	+152	-.04	-1	+4
02-05-61 1244845 3899438 5-73					35		16,995	3.46	588						
1396303 ASU KANE WILMET IVANHOE-TWIN..*		1	49	1-86	49	3.6	15,154	3.79	575	14	31	+11	+.06	+9	+8
12-12-60 1189870 4400507 5-73					31		15,197	3.61	548						
1396422 LOCHLAWN REYBURN.....		1	15	1-41	15	3.5	13,675	3.48	476	31	26	+144	-.04	0	+4
10-01-60 1336320 4543187 5-73					6		12,977	3.63	471						
1396522 LANGE ROYAL BANNER.....*		7	4	2-23,34	18	2.0	13,468	3.50	471	7	43	+43	-.02	-2	0
11-29-60 1305460 4477633 5-73					16		13,254	3.57	473						
1396579 CEDAROALE CRETE ORMSBY.....		2	14	1-13	23	1.7	16,851	3.81	642	17	32	+155	+.03	+10	+13
05-22-59 1285952 3165000 1-73					39		16,576	3.73	619						
1396617 JA-SAL SKYLINER BELINA.....*		15	6	11-21,23,	28	2.2	16,918	3.58	605	8	51	+869	-.08	+19	+42
09-27-60 1244845 3818879 5-73				33,35,84	29		15,313	3.75	574						
1396694 WULLIMAN FOBES MAGIC BOY.....*		5	5	1-32	18	1.2	10,927	3.67	401	**	37	-283	+.03	-6	-13
C3-01-60 1138451 4322404 5-73					16		11,392	3.59	409						
1396702 MASTER REX REGENT.....		2	11	1-45	13	2.8	13,398	3.34	448	**	27	-63	+.01	-1	-3
10-18-60 1302213 3988199 5-73					5		13,557	3.31	449						
1396740 ZIMMERMAN PILOT STAR SYB.....	35-75	646	5	41-32,35,	1,149	1.3	15,144	3.74	567	15	98	+164	+.13	+25	+25
08-27-60 1251857 4648404 9-72				41,55,93	23		15,041	3.62	544						
1396885 SKYWAY VALLA VISTA DOUBLE.....*	33-03	543	6	39-13,21,	1,078	1.5	14,916	3.61	539	19	97	-84	+.01	-1	-3
11-14-60 1344345 4496001 9-72				23,31,35	29		15,071	3.60	543						
1397054 HARMONY CREST FANCY KING.....*	35-03	292	8	32-11,21,	676	2.3	15,028	3.64	547	11	96	-144	-.07	-15	-17
11-12-60 1189870 4245161 5-73				23,35,51	25		15,267	3.73	569						
1397088 EXRANCO FONO MARKSMAN.....	93-03	78	49	5-43,82,	903	1.6	16,786	3.68	618	15	87	-338	+.12	+5	-6
01-20-61 010218036 3596419 5-73				86,91,93	96		17,486	3.56	622						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS HM/DAU	REC/DAU HEROMATE	MILK MILK	% %	FAT FAT	% 1ST INC	% REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1397089 EXRANCD RAG APPLE SPARTACUS...	93-03	44	19	2-43,93	259	1.7	16,850	3.53	595	12	81	+115	-.04	-2	+2
C1-28-61 010218036 4765048 5-73					115		16,976	3.58	607						
1397136 IOEOGRAPH SOVEREIGN SUPREME...*		32	8	10-51,82,	91	2.1	13,700	3.69	506	24	74	-1,204	+.09	-31	-62
C1-20-61 010249633 3716868 9-72				87,92,93	29		15,428	3.58	553						
1397170 VERPANA FARM REGENT BURKE.....*		1	33	1-35	33	2.0	13,651	3.47	474	8	27	-24	-.04	-6	-6
10-10-60 1250772 3392339 5-73					20		13,671	3.65	499						
1397184 NAPSTAHDS MAC ARGYLE OE KOL...*		8	13	1-93	53	2.5	15,682	3.63	570	14	56	-545	+.03	-15	-29
08-08-60 1324830 4393155 5-73					79		16,917	3.59	607						
1397206 WHIRLHILL JEN OLYMPIAN.....		3	8	2-32,34	17	3.6	15,362	3.37	517	18	38	-111	-.05	-11	-12
10-04-59 1232399 4096715 5-73					20		15,800	3.50	553						
1397209 ST CROIXCD PIONEER.....	35-21	1,272	6	29-35,41,	3,204	1.7	15,752	3.61	569	11	99	+746	-.05	+19	+38
C1-15-61 1189870 3676388 5-73				42,43,93	28		15,067	3.67	553						
1397321 CELO S U MR SKYROCKET.....	84-01	7	3	2-83,84	18	1.9	15,005	3.46	519	**	46	-220	.00	-8	-13
01-31-61 1252985 4362316 5-73					19		15,610	3.46	540						
1397385 EASTHAVEN REROYAL.....*		8	2	1-32	11	3.6	14,234	3.44	490	0	42	-85	-.08	-14	-14
10-19-59 1192713 4263918 5-73					15		14,442	3.64	526						
1397405 LEMAX IVANHOE COMMANDER.....*		16	15	2-13,16	55	3.0	16,010	3.79	606	8	56	+438	+.04	+22	+31
11-29-60 1189870 4316518 5-73					22		15,317	3.73	572						
1397406 LEMAX IVANHOE JSBORNDALE.....*		12	7	3-13,14,	38	3.3	15,963	3.79	605	10	59	+616	+.08	+34	+47
01-18-61 1189870 3923667 5-73				16	33		14,967	3.67	550						
1397466 REFLECTION SKYROCKET.....*		94	12	20-13,14,	233	2.8	15,676	3.50	549	12	86	+83	-.16	-20	-14
02-14-57 010196998 010761986 1-72				16,21,23	27		15,711	3.69	579						
1397511 ELMER BROOK CAPTAIN.....		4	9	2-35,41	14	3.6	13,308	3.49	464	7	32	-271	-.02	-12	-18
10-17-60 1336265 3396042 5-73					20		14,127	3.55	502						
1397561 PETERS FARM MARKSMAN IVANHOE..	35-75	727	7	38-23,35,	1,359	1.3	15,388	3.61	555	13	98	+247	.00	+9	+15
07-25-60 1189870 4581126 1-73				41,55,93	33		15,217	3.61	549						
1397617 WHITILL INVINCIBLE KING.....*		4	15	2-33,93	20	2.9	13,031	3.89	507	0	32	-176	+.04	0	-5
02-28-58 1256882 3572284 5-73					33		13,492	3.77	509						
1397752 ZELDENRUST ROYAL PONTIAC.....*	34-01	1,430	8	42-21,23,	4,331	2.6	13,899	3.44	478	15	99	-650	-.16	-46	-57
08-19-56 1305460 2649438 9-72				32,34,51	25		14,573	3.61	526						
1397861 LABRADOR MADCAP TRIUNE.....*		7	2	4-13,14,	10	3.2	15,680	3.67	576	0	37	+256	+.01	+10	+16
11-25-60 1152252 4065647 1-73				21,35	22		15,062	3.67	553						
1397884 L-LEAN ADEEN VICTOR.....*		1	49	1-72	49	2.1	14,223	3.07	436	5	28	+91	-.03	-1	+2
01-20-61 1279028 3913101 5-73					21		13,840	3.14	434						
1397940 ORMSBY BUTTER BOY OLLIE.....		13	1	3-23,51,	15	1.8	16,286	3.56	580	0	47	+670	-.07	+14	+32
10-06-60 1297547 3844509 5-73				52	16		14,912	3.71	553						
1397954 WILLOW HILL ORMSBY DESIGN.....		2	11	2-34,41	13	2.2	12,904	3.58	462	55	24	-394	+.03	-10	-20
C3-29-59 1053895 2673084 5-73					18		14,600	3.47	506						
1397985 LOCKWAY TEDDY IVANHOE.....*		6	4	3-23,41,	14	3.6	15,379	4.05	623	0	42	+349	+.11	+29	+34
11-02-60 118987C 3882958 5-73				52	61		14,562	3.83	557						
1398116 M V B A PROFILE ELLA PAUL-TWIN	41-01	46	3	4-41,42,	78	2.2	14,724	3.71	546	22	80	+158	+.08	+17	+19
C6-26-59 1159417 4203258 5-73				45,46	21		14,541	3.61	525						
1398117 M V B A PROFILE ELLA PETE-TWIN	41-01	100	1	5-35,41,	116	2.4	13,529	3.53	478	19	88	-615	-.02	-25	-39
C6-26-60 1159417 4203258 5-73				42,45,46	15		14,214	3.56	506						
1398118 M V B A WALKER KNOLLSIDE WALLY	41-01	267	2	5-35,41,	368	1.7	13,717	3.60	494	16	95	-606	+.02	-19	-34
C9-29-60 1136905 4011639 9-72				42,45,46	12		14,351	3.59	515						
1398133 BREEZEWOOD CHAMPION PAUL.....*		4	20	2-48,73	27	2.6	13,207	3.58	473	10	32	-91	-.02	-6	-8
10-22-60 1247237 4291690 5-73					70		13,396	3.67	491						
1398216 SKOKIE CHAMPION.....	33-03	653	4	38-21,23,	1,163	1.9	15,589	3.52	548	12	98	+844	-.11	+14	+37
10-09-60 1199324 3099075 1-73				35,41,93	27		14,755	3.62	535						
1398224 RIDGE DELL WALLIE PRINCE.....*		1	11	1-31	11	4.2	12,545	3.74	469	**	26	-160	-.01	-7	-11
04-05-60 1190632 3146633 5-73					14		13,043	3.83	499						
1398286 PACEMAKER PEEL LODGE-TWIN.....*		15	44	3-52,55,	83	2.5	14,605	3.48	508	20	43	-197	-.03	-11	-15
08-15-59 010249633 010979698 9-72				56	31		15,143	3.56	539						
1398355 KYLAND PREMIER CRESCENT LAD...*		8	20	3-35,43,	44	3.0	12,913	3.58	462	13	45	-195	+.04	-2	-8
C1-15-61 1126392 4066149 5-73				73	21		13,235	3.51	464						
1398408 C S P F LUCIFER PILOT.....*		3	35	1-16	71	2.6	17,237	3.64	627	15	44	+389	-.05	+6	+17
11-07-60 1288194 3865019 5-73					70		16,577	3.76	623						
1398515 KINVALE SEARS MASTER RICHARD..	21-10	247	2	9-11,12,	297	1.4	15,573	3.54	551	15	94	+154	-.04	0	+5
12-11-60 1385978 4345425 1-73				13,16,21	24		15,522	3.58	555						
1398525 SHJR-POLL ROCKET MASTER-TWIN..*		1	41	1-45	41	1.9	16,346	3.62	592	18	27	+137	-.01	+4	+7
11-01-60 1326002 5082431 5-73					13		15,989	3.66	585						
1398530 SHJR-POLL ROCKET CARNATION....*		5	9	2-50,52	16	2.4	11,893	3.82	454	20	31	-325	.00	-12	-20
C1-02-61 1326002 3499150 5-73					20		12,791	3.86	494						
1398537 HASSIE VIEW PABST WALKER VENUS*		1	12	1-23	12	4.1	14,782	3.50	517	0	27	+189	-.05	0	+6
C2-18-61 975136 4352226 5-73					7		14,031	3.70	519						
1398597 FAIRCREST ROSE WALLIE BURKE...*		5	5	3-21,31,	14	2.4	12,112	3.46	419	**	37	-290	-.05	-17	-23
C1-18-61 1190632 4628997 5-73				63	14		12,734	3.64	463						
1398631 WAR-REN ROYAL HI-MAC.....*		7	9	1-91	21	2.9	15,660	3.26	511	7	41	-69	-.10	-17	-16
10-06-60 1305460 4225765 5-73					14		15,992	3.49	558						
1398733 OSAGE FARMS FRASER MASTER.....*		13	8	5-32,33,	33	2.8	14,717	3.66	539	6	54	-146	+.02	-3	-7
C3-08-60 1175596 3917523 9-72				35,43,63	18		15,057	3.65	549						
1398789 FERNHAME GOLDEN FORTUNE.....		2	39	1-57	41	3.1	14,760	4.02	594	13	30	+284	+.07	+21	+26
01-02-61 1170426 3911525 5-73					8		13,761	3.82	526						
1398838 PHILORIE ABIE STYLEMASTER.....*		1	15	1-48	15	4.0	14,434	3.71	536	7	27	-31	+.01	0	-1
11-10-60 1175471 4496553 5-73					19		14,570	3.73	544						
1399061 M V B A WALKER POLLY ART.....	41-01	44	1	3-41,45,	52	2.5	12,584	3.60	453	10	77	-806	+.02	-27	-47
12-19-59 1136905 3988198 5-73				46	19		13,553	3.59	487						
1399063 M V B A PROFILE ROYAL CHARLIE.	41-01	18	1	3-41,45,	20	2.3	12,124	3.59	435	23	55	-858	+.01	-30	-51
12-13-60 1159417 3642985 5-73				46	19		13,602	3.60	489						
1399087 BROOK RUN HARTOG ILEX.....*		2	5	1-21	10	3.2	15,217	3.61	549	**	31	+6	+.01	+2	+2
11-05-60 1213164 4599723 5-73					11		15,287	3.56	544						
1399126 BANNALP K P L J CURTISS.....		1	11	1-93	11	2.6	18,008	3.42	616	**	23	+2	.00	0	0
C3-16-59 1224313 2935377 5-73					65		18,400	3.43	631						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS	REC/DAU HERDMATE	MILK HM/DAU	% MILK	% FAT	FAT	% 1ST INC	% REPT	PREDICTED DIFFERENCES MILK	%	FAT	$$
1399171 ARLINDA F N OAK.....	33-03	233	3	33-21,23,	385	1.2	14,674	3.56	522	14	94	-186	-.08	-18	-20
01-22-61 1283917 4458318 1-73				41,43,93	23		14,927	3.65	545						
1399193 MEADOW BROOK GLORIA GRAY.....		1	11	1-23	11	3.5	14,542	3.79	551	**	24	-73	+.03	+2	-1
10-13-60 1244845 2844995 5-73					4		14,899	3.66	545						
1399197 GREEN-EAST ATLAS.....*		21	2	5-13,16,	35	2.3	16,503	3.64	600	21	65	+584	+.03	+25	+38
04-04-60 1254035 4227925 5-73				21,23,35	18		15,738	3.60	567						
1399263 REINHARTS ROSE SKY TORRO.....	35-75	445	3	30-21,23,	725	1.2	15,449	3.51	543	12	97	+233	-.08	-3	+5
03-02-61 1244845 4297898 1-73				35,41,55	27		15,299	3.60	550						
1399280 TYLER FARMS SUNBEAM KING.....*		5	42	2-12,16	51	3.0	15,089	3.80	573	11	34	-216	+.01	-7	-12
02-08-61 1053381 4389080 5-73					26		15,883	3.80	604						
1399283 MOWRY IVANHOE PRINCE.....	35-75	1,569	8	44-21,23,	4,136	1.3	16,182	3.53	571	16	99	+624	-.08	+11	+28
11-15-60 1189870 2821916 5-73				35,41,55	32		15,681	3.60	565						
1399329 BIRCH SPRINGS ORMSBY PRINCE..		1	17	1-35	17	1.9	14,624	3.24	474	20	24	+388	-.08	+2	+13
08-13-60 1245390 4056074 5-73					8		12,821	3.57	458						
1399380 GRAY VIEW MOSE PRACTICIAN.....	35-21	484	3	14-35,41,	877	1.7	14,782	3.51	519	10	98	+299	-.14	-10	+1
06-22-60 1196645 4397184 5-73				42,43,47	17		14,485	3.67	531						
1399448 HABEROALE CONTENDER TRIUMPH...		1	32	1-35	32	3.3	14,173	3.79	537	7	30	+65	+.03	+7	+8
08-31-60 1327639 3502816 5-73					11		13,904	3.68	511						
1399500 ZIMMERMAN STAR SENATOR-TWIN...*		6	23	2-57,65	37	2.7	13,531	3.70	501	14	37	+73	+.02	+6	+7
03-13-60 1307857 4228785 5-73					16		13,215	3.64	481						
1399504 WOODSTREAM SOVEREIGN BURKE....*		4	25	2-23,31	36	2.3	14,043	3.40	478	11	34	+102	-.06	-5	-1
03-11-61 1210286 4414721 5-73					10		13,674	3.61	494						
1399607 DIAMOND S MR COPIA VAR O.....	35-75	1,131	8	43-35,41,	2,879	1.2	15,718	3.59	564	13	99	+141	.00	+5	+8
08-04-60 1327405 4185809 5-73				55,91,93	44		15,707	3.58	563						
1399628 WALHOWOON VERNON M VENUS.....*	31-07	58	19	7-11,14,	123	1.8	16,496	3.56	588	13	66	+504	-.09	+5	+19
12-14-60 1246708 2947794 5-73				34,55,87	29		15,887	3.69	587						
1399647 THONYMA SCHOOLMASTER MONARCH..		2	8	2-48,73	10	3.2	14,695	3.16	465	0	26	-56	-.01	-4	-5
11-24-60 1181068 4775720 9-72					36		14,968	3.20	479						
1399654 LONG HAVEN FAYNE KING WINTER..	31-07	208	3	5-32,34,	413	1.6	15,629	3.76	588	18	95	+589	+.14	+42	+52
02-09-61 1232296 3654296 5-73				52,54,74	19		15,075	3.62	546						
1399729 WALLCROFT RAVEN BURKE IDEAL...*		10	2	5-43,48,	14	1.9	11,319	3.45	390	25	44	-1,307	+.05	-40	-72
03-31-61 1113350 4366272 5-73				71,73,74	12		14,281	3.36	480						
1399737 MAPLE PEEL LODGE RENOWN.....*	63-03	13	2	3-61,63,	23	2.3	13,691	3.55	486	6	56	+139	-.03	0	+4
10-30-60 010218036 011365607 5-73				65	15		13,335	3.62	483						
1399739 LONGWOOD GOLDEN F DYNAMITE....*		3	11	2-12,14	15	1.5	12,737	3.66	466	29	24	-203	.00	-7	-12
11-26-60 1170426 3241784 5-73					28		13,488	3.68	497						
1399824 HILLTOP APOLLO IVANHOE.....*	23-09	954	6	26-21,23,	2,523	1.9	15,827	3.75	594	10	99	+804	+.04	+35	+53
11-26-60 1189870 4412249 1-73				50,51,52	22		15,083	3.73	563						
1399844 ALSFARM OIVIOENO NERD.....*		18	7	5-21,23,	38	2.6	14,804	3.56	527	30	58	-71	+.01	-1	-3
04-03-61 010257174 4637633 5-73				32,51,86	26		14,989	3.55	532						
1399850 UTAG IVANHOE ROSE BENEDICT....	31-07	177	8	13-21,35,	572	1.9	15,250	3.65	557	8	95	+217	+.12	+26	+28
10-21-60 1189870 4342635 5-73				82,87,93	33		15,090	3.52	531						
1399927 PRILLY BURKE VEEMAN.....	63-01	30	2	2-52,63	47	2.5	13,937	3.58	499	3	74	-7	-.05	-7	-6
04-08-61 1338592 3561061 5-73					18		13,898	3.66	509						
1399945 MINALOO TRIUNE TRIUMPH.....*	21-10	54	1	3-13,16,	56	3.1	14,340	3.67	526	10	80	-502	+.09	-6	-20
02-25-61 923749 3610458 5-73				21	20		15,037	3.57	537						
1399951 SKOKIE NACHES DUKE.....*		3	49	3-73,74,	67	2.8	14,248	3.63	517	4	37	+102	.00	+4	+6
03-31-61 1288610 4581461 5-73				85	17		13,923	3.63	506						
1400033 BIG ROCK MASTER TRIUNE.....*		6	14	2-21,23	23	2.4	13,253	3.49	462	**	34	-202	+.03	-3	-9
02-25-61 1305400 4460052 5-73					29		13,794	3.39	468						
1400089 SOUTHWIND COUNT SUEZ.....*		3	30	1-74	43	2.5	13,186	3.32	438	17	35	-408	-.01	-16	-25
11-02-60 1229322 3299031 5-73					43		14,339	3.36	482						
1400174 VISTA PEAKS BIRDIE BURKE GDV..		4	55	2-31,84	63	2.6	14,572	3.40	496	5	33	+196	+.01	+8	+12
05-09-60 1038509 4034915 5-73					26		13,923	3.35	467						
1400224 TROUT CREEK FOREMAN.....	87-01	72	2	6-41,45,	101	2.5	14,020	3.48	488	18	86	-400	-.07	-24	-32
08-20-60 1195312 2804854 5-73				47,82,87	18		14,499	3.57	517						
1400233 KARIOLE FINO HARMONY.....*		6	10	2-35,42	21	2.2	12,158	3.76	457	0	38	-183	+.07	+3	-3
02-24-61 1243697 4129056 5-73					14		12,452	3.55	442						
1400256 CRESTON KING PETER.....*		5	7	1-34	13	3.3	16,451	3.49	574	8	35	+545	-.05	+12	+26
01-22-61 1276048 3355383 5-73					12		14,925	3.62	541						
1400258 SIR GRANO SKY LINER.....*		4	6	1-23	19	2.9	16,143	3.64	587	**	43	+293	.00	+10	+17
08-14-60 1244845 4451779 5-73					20		15,585	3.66	570						
1400283 REFLECTION RICH-HERO CHIEF....*		8	7	3-81,82,	20	3.5	13,870	3.53	490	0	44	-497	+.02	-15	-27
11-04-59 1350558 4681240 5-73				87	11		15,070	3.50	528						
1400575 GLENAFTON CLARION.....	35-03	186	11	22-35,41,	544	1.8	16,780	3.56	598	11	93	+985	-.15	+12	+40
05-18-60 010249530 011116870 5-73				48,51,93	66		15,866	3.74	593						
1400615 ROUNO OAK IVANHOE EXODUS.....*		7	9	2-52,57	20	3.1	14,343	3.71	532	20	39	-85	-.02	-6	-7
11-09-60 1189870 3114641 9-72					30		14,581	3.80	554						
1400635 ANDREAS SUPREME CAVALIER.....*		1	13	1-31	13	3.5	14,454	3.52	509	8	26	+219	+.01	+9	+14
12-05-60 1302167 4407884 5-73					11		13,512	3.48	470						
1400708 KKK SKY KING.....*		6	65	3-43,48,	85	2.8	15,304	3.38	518	11	36	+175	-.04	+1	+6
11-09-60 1244845 4589102 5-73				71	31		14,868	3.46	514						
1400732 PAWNEE FARM SUPREME BLAZE.....*		13	23	5-41,42,	52	2.3	13,093	3.73	488	18	45	-630	+.03	-19	-35
01-19-61 1347065 4546976 5-73				46,47,48	13		14,521	3.68	534						
1400810 MATHEWSFIELD RESOUND AIM.....*		12	2	4-13,16,	16	2.4	13,785	3.61	498	8	50	-604	+.04	-16	-31
11-19-60 1253588 4029383 5-73				21,23	21		15,052	3.54	533						
1400827 OAKTON SOV ORMSBY-TWIN.....*		2	35	1-52	39	3.2	11,356	3.43	390	0	32	-235	+.02	-5	-11
03-13-60 1070845 2691885 5-73					64		11,839	3.35	397						
1400858 MILLER DAIRY CEORIC PRIDE.....		1	10	1-74	10	2.9	17,318	3.36	582	0	23	+286	-.02	+7	+14
03-14-59 1031748 3095442 5-73					6		16,256	3.41	555						
1400941 ARLEOIT TWO WAY HOPE.....*		4	11	1-41	25	3.4	13,581	3.67	498	11	42	-324	.00	-12	-20
12-14-59 1135651 3994048 1-73					12		14,352	3.69	530						
1400992 BRIARKILL TOGUS MODEL.....*		3	4	2-21,23	10	2.0	12,133	3.63	440	20	30	-393	+.04	-8	-18
01-24-61 1216668 4151219 5-73					39		13,330	3.49	465						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HO	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS REC/DAU HM/DAU	HEROMATE	MILK	% FAT	MILK	% FAT	% 1ST INC	% REPT	PREDICTED DIFFERENCES MILK	%	FAT	$$
1400997 OAKWOODCREST SUPREME KORNOYKE.*		4	12	1-51	28	2.9	11,450	4.02	460		6	43	-489	+.06	-9	-22
10-17-60 1216873 4372406 5-73					16		12,399	3.86	479							
1400999 PENSTATE AOA IVANHOE.....*		4	48	1-21	57	3.2	13,241	3.86	511		18	34	+11	+.06	+9	+8
C1-09-61 1189870 3794679 5-73					32		13,076	3.67	480							
1401112 HILLSIDE SUPERIOR.....*		11	10	3-23,51,	30	3.0	19,127	3.64	696		5	47	+1,214	-.02	+40	+70
10-10-60 1298430 3846713 5-73				54	27		16,784	3.69	620							
1401117 BUCHER VIEW PIPER.....*		8	1	5-34,41,	10	2.6	12,663	3.56	451		22	39	-241	-.02	-11	-16
C4-05-61 1321033 3813935 5-73				42,45,46	18		13,168	3.64	479							
1401179 COUNT MODEL BENEFACTOR.....*		1	16	1-41	16	3.1	15,416	3.42	527		17	26	+70	-.05	-4	-1
12-04-60 1199324 4215985 5-73					9		15,232	3.60	548							
1401220 CASH-MAR JERRY PICK-TO-CLICK..*		3	13	2-32,48	22	1.8	12,388	3.77	467		5	32	-426	+.05	-9	-20
C9-21-60 1333526 4480603 5-73					5		13,631	3.65	497							
1401250 NAPSTAHOS BRUCE ARGYLE OE KDL.*		6	6	1-93	19	2.5	18,548	3.31	614		9	42	+891	-.16	+8	+34
C1-06-61 1324830 4295664 5-73					66		16,664	3.62	604							
1401254 BURKE ROCK RIVER.....		1	22	1-42	22	3.1	13,862	3.44	477		13	28	+69	-.05	-5	-2
C4-07-61 1266568 4148113 9-72					4		13,530	3.67	496							
1401255 ARCON MERRIMAC MAYTAG.....*		7	11	1-93	43	2.5	14,811	3.50	518		7	53	-105	-.03	-8	-10
12-07-60 1350463 3977474 5-73					24		15,079	3.55	536							
1401461 QUEHOLM RIVER VALLEY BURKE....*		4	8	2-23,35	13	2.7	15,767	3.27	516		0	31	+420	-.10	0	+13
C3-31-61 1283313 4563934 5-73					10		14,400	3.60	519							
1401486 BROOK GLEN MAGICIAN.....*		7	4	3-21,31,	19	2.0	13,356	3.38	452	**	45	-432	-.09	-28	-36	
C4-17-61 1138451 4168981 5-73				51	16		14,309	3.61	516							
1401503 FERNDALE PRINCE TOPPER.....*		9	9	2-23,52	28	2.8	13,997	3.62	506		5	47	-792	-.05	-35	-53
C3-05-61 1362756 4151232 5-73					22		15,837	3.73	590							
1401506 MONCONY ARISTOCRAT ASTRONAUT..*	55-01	9	6	1-55	28	2.3	17,146	3.52	603		17	51	+101	-.03	-1	+2
C2-21-61 1124780 3573017 1-73					48		17,232	3.58	617							
1401539 BESSIE B F TRIUNE RETURN.....*		16	8	4-43,48,	37	2.5	14,612	3.50	512		14	55	+92	+.07	+13	+13
C3-21-61 1326679 4323925 5-73				71,73	20		14,450	3.36	485							
1401566 WINTERTHUR IVANHOE IKE PRIDE..*		3	14	1-14	23	2.8	16,666	3.76	627		23	36	+184	+.02	+9	+13
11-22-60 1189870 4411745 5-73					6		16,342	3.73	610							
1401695 PINEHURST SUPREME TRUST.....*		7	31	3-23,35,	44	3.1	15,217	3.65	555		13	36	+161	-.03	+1	+6
10-16-60 1259039 4326231 5-73				51	41		14,810	3.75	556							
1401742 S R F REGAL ADMIRATION.....*		6	9	1-35	29	4.1	14,901	3.58	534		11	51	-115	-.02	-7	-9
C1-04-61 1358647 3782832 5-73					15		15,210	3.64	553							
1401782 GREEN MEADOW REWARD ZEUS.....*		3	8	2-12,13	21	1.7	13,675	3.63	496	**	38	-563	+.04	-15	-29	
C3-31-61 1303180 3806125 1-73					18		15,232	3.55	541							
1402026 HALLCREST DESIGNER.....*		1	40	1-23	40	3.9	14,317	3.69	528		7	31	-125	+.03	0	-4
C1-29-61 1354520 2681572 5-73					19		14,760	3.60	531							
1402113 GLENAFTON RAG APPLE DYNAMIC...	35-21	836	4	21-35,41,	1,630	1.5	13,687	3.62	495		18	99	-990	-.04	-41	-64
C7-12-60 D10249530 D1062277C 1-73				42,43,47	18		14,726	3.67	540							
1402118 POSCH SOVEREIGN IVANHOE.....*	23-09	419	4	11-23,50,	869	2.0	15,243	3.67	559		9	98	+420	-.06	+6	+18
C1-06-61 1189870 4911237 9-72				51,52,73	21		14,859	3.75	557							
1402202 WEAVERS RAG APPLE POND MAPLE..	22-03	25	1	1-22	30	3.5	14,295	3.68	526		4	68	-169	-.02	-9	-13
C9-01-60 D10218036 D1106B287 5-73					27		14,564	3.74	544							
1402207 KANAWAKA TRI BURKGOV OANOY....*		14	9	2-43,48	34	2.3	14,710	3.66	538		11	50	+112	+.09	+17	+17
12-12-60 1038509 4238032 5-73					12		14,498	3.46	502							
1402216 NORTH CAROLINA TIOY KENNETH...*	55-01	9	6	1-55	35	2.2	17,612	3.51	619		21	57	+497	-.09	+5	+19
11-25-60 1287023 3821462 1-73					41		16,995	3.65	621							
1402262 CAVALIER SKYLINER.....*		5	10	2-21,23	19	2.5	10,910	3.49	381	**	36	-661	-.02	-27	-42	
09-30-60 1244845 4143848 5-73					13		12,555	3.61	453							
1402306 GRAY VIEW C CLARION.....*		7	20	3-35,42,	50	2.5	10,865	3.67	399		18	47	-981	+.01	-34	-58
C9-02-60 1304384 4680792 5-73				46	22		12,794	3.67	469							
1402379 OORCO ROAMER OAN.....		2	12	1-35	15	1.7	16,291	3.95	643		0	25	-285	+.07	-1	-9
C4-19-61 1220707 3634740 5-73					6		17,753	3.74	664							
1402477 BLUEGILL REFLECTOR FLAME.....*		24	5	5-21,23,	55	2.2	13,842	3.74	517		15	70	-622	+.13	-4	-22
12-31-60 1298430 3935326 5-73				32,51,56	24		14,770	3.55	524							
1402556 FARMSTEAD CAPTAIN.....*		2	21	1-34	23	3.1	15,456	3.34	516		5	30	+96	-.05	-4	0
C1-20-61 1144239 3778008 5-73					32		15,228	3.52	536							
1402574 SISSON FARMS OELLA SKYROCKET..*		7	24	1-56	47	3.3	15,063	3.48	524		18	43	+62	-.02	-1	+1
C9-16-60 1244845 3744295 5-73					14		14,977	3.55	531							
1402593 S V F PACLAMAR KING LEA.....*		7	25	1-84	37	2.3	14,002	3.50	490		**	35	+129	-.01	+3	+6
02-16-61 1244845 4024980 5-73					88		13,546	3.52	477							
1402597 VISTA PEAKS SENATOR PEGASUS...*		3	5	1-84	11	3.8	15,035	3.56	535		0	35	-62	+.02	0	-2
C3-03-61 1252985 3774816 5-73					18		15,307	3.51	538							
1402599 VISTA PEAKS PAC SENATOR.....*	33-03	185	2	28-21,23,	259	2.1	13,385	3.62	485		14	94	-1,053	+.01	-36	-61
C5-02-61 1252985 3362555 9-72				35,42,93	20		14,526	3.61	525							
1402761 GRAY VIEW X NANKING.....	91-11	103	2	12-35,41,	155	2.3	13,200	3.64	480		17	89	-545	+.03	-15	-29
12-14-60 1378594 4741146 5-73				42,73,74	13		13,748	3.60	495							
1402763 GRAY VIEW SKY BOLT.....	35-05	113	3	7-32,33,	176	1.5	14,397	3.75	540		12	89	-474	+.09	-5	-18
11-25-60 1244845 4156554 5-73				35,41,42	18		14,993	3.67	550							
1402764 GRAY VIEW SKY SATIN.....*		21	30	4-33,41,	191	2.6	13,541	3.67	497		9	71	-73	+.03	+2	-1
11-28-60 1244845 4156547 5-73				43,45	15		13,562	3.62	491							
1402834 TROUT SPRING HOE BEETS BILL...*		6	12	1-23	28	2.0	14,695	3.80	558		24	39	+62	+.01	+3	+4
C4-24-61 1189870 3765470 5-73					18		14,553	3.81	555							
1402864 B J I PRINCE OLAF.....*		13	7	2-51,52	42	2.2	14,331	3.75	537		33	59	-486	+.10	-3	-17
C3-13-61 1121706 3507145 5-73					49		15,203	3.59	546							
1402866 COOPERFIELD OAISY DAWN.....*		6	6	2-22,51	19	2.6	13,282	3.92	520		10	42	-320	-.01	-13	-20
C8-23-59 1238118 3393254 5-73					27		14,005	3.98	557							
1402904 NESHONOC INKA PATSY.....		4	23	1-35	34	3.1	12,937	3.46	447		0	36	-91	-.07	-13	-13
03-07-61 1298430 5124094 5-73					15		13,056	3.68	481							
1402946 OIBBLE CRUSADER ALERT.....*		9	8	6-16,33,	33	2.5	14,276	3.68	525		8	52	-101	+.02	-1	-4
C1-23-61 1014925 4286133 9-72				35,43,63	19		14,483	3.66	530							
1403074 HEERSCHE JKLASTAPEN HOPE.....*		3	33	2-73,74	37	3.4	14,608	3.68	538		18	32	-175	+.05	+1	-4
C5-29-60 1243697 3558019 5-73					46		15,245	3.51	535							

REGISTRATION NUMBER NAME DF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS HM/DAU	REC/DAU HEROMATE	MILK	% MILK	FAT %	FAT	% INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1403100 SANOSOALE ROCKET MASTERPIECE..*		28	1	11-21,31,	32	1.7	13,276	3.56	472	**	64	-268	-.01	-11	-17
12-02-60 010245456 2800577 5-73				34,57,63	74		13,619	3.58	487						
1403118 CAL-CLARK SELECT IDEAL.....	93-17	3	31	1-93	41	1.2	16,880	3.39	572	8	29	-334	+.03	-8	-17
12-10-58 1113350 3889978 5-73					391		18,447	3.31	611						
1403131 MEISEGEIER A & C FOBES.....*		8	33	4-35,41,	47	2.5	11,878	4.13	490	**	36	-446	+.12	0	-14
06-26-61 1331314 4773722 5-73				73,85	18		12,970	3.78	490						
1403164 SISSON SKYLINER GENE.....*		7	23	1-21	35	3.3	16,155	3.27	528	9	38	+351	-.06	+4	+14
01-08-61 1244845 3389004 5-73					20		15,316	3.37	516						
1403202 PIP GRACIOUS SIGNAL.....*		5	4	3-23,35,	10	3.6	16,140	3.34	539	0	34	+382	-.15	-9	+4
03-20-61 1354400 3648173 1-73				41	23		15,078	3.81	574						
1403328 ROBENSTEAD ADMIRAL PROGRESSOR.*		3	6	2-21,33	11	2.0	13,831	3.82	529	36	28	-159	+.07	+4	-2
04-24-61 1210078 3907169 5-73					56		14,410	3.57	515						
1403382 ROSEROW WORTHY PLATO.....	61-02	461	5	16-31,33,	1,078	1.4	14,942	3.77	564	12	98	-30	+.17	+24	+19
03-20-60 1124780 4700313 1-73				61,74,85	24		15,039	3.60	542						
1403414 BEAN-PATCH SKY BAR.....		2	8	2-13,41	10	4.3	15,699	3.77	592	0	27	+165	+.02	+9	+12
09-12-60 1244845 4820817 5-73					20		15,159	3.71	563						
1403477 WIS PROSPERITY BOY.....*		10	6	4-34,35,	19	2.3	14,067	3.35	471	27	42	-449	-.11	-32	-40
03-16-61 1330357 3279882 5-73				43,57	17		15,227	3.64	554						
1403529 SIR GRAY VIEW WINTERTHUR.....*		7	10	3-50,51,	21	1.7	13,379	3.49	467	**	35	-231	.00	-9	-14
02-28-61 1244845 4075674 5-73				52	17		13,996	3.53	494						
1403550 OLSONS SYMBOL MAN-O-WAR.....*		2	11	1-35	13	3.2	13,889	3.37	468	29	27	-209	-.03	-12	-16
01-10-61 1197955 4587451 5-73					17		14,704	3.51	516						
1403553 ELM RIDGE REFLECTOR PREMIER...*	35-05	37	8	3-35,41,	69	2.2	14,686	3.57	524	19	69	+251	-.09	-4	+4
01-22-61 1298430 2896978 5-73				42	15		14,315	3.72	532						
1403573 LEA INN ROYAL MASTER DEAN.....*		12	12	2-35,42	32	3.0	13,233	3.44	455	14	47	-203	-.02	-10	-14
09-02-60 1305460 4383532 5-73					10		13,591	3.48	473						
1403591 JELTON REFLECTION KIT.....*		15	11	2-41,93	49	2.6	16,663	3.76	627	13	58	-360	+.10	+1	-10
08-09-60 1349691 4681433 5-73					60		17,605	3.62	638						
1403692 MERIWETHER IRA ROSE-TWIN.....*	21-10	69	1	4-11,13,	80	3.3	14,548	3.67	534	8	85	-330	+.09	+1	-9
04-03-61 1189870 3754981 5-73				21,23	22		15,000	3.56	534						
1403794 ST CROIXCO PRAIRIE GAIL.....		3	5	1-35	11	2.8	15,798	3.62	572	17	32	-6	-.05	-7	-6
10-13-60 1291499 4132770 5-73					9		15,978	3.78	604						
1403832 IDA-ROYAL REVELATION DIGNITY..*		1	13	1-82	13	3.3	12,934	3.66	473	**	25	-336	+.02	-9	-18
01-10-61 1292145 4376770 5-73					21		14,278	3.58	511						
1403882 WAYZATA REGAL GYPSIE.....		1	12	1-61	12	1.7	16,027	3.64	583	10	22	+111	+.02	+7	+9
02-02-61 1359390 4765953 5-73					47		15,642	3.54	554						
1403934 ESTELLED SPERGER COMMANDO.....	41-01	81	1	4-41,42,	91	2.0	12,910	3.56	459	18	84	-986	.00	-35	-59
01-26-61 1251140 4223710 5-73				45,47	20		14,049	3.56	500						
1403960 PROFILE EVADER OF A B.....*		4	12	3-35,42,	17	4.4	13,098	3.47	455	7	33	+115	-.04	-1	+3
07-09-60 1159417 4684117 5-73				61	42		12,563	3.61	453						
1403993 GLENAFTON RAG APPLE CAPERS,...*		29	1	12-13,21,	30	2.3	12,556	4.02	505	19	65	-991	+.24	-3	-32
02-01-61 1243697 0112704S1 5-73				23,31,34	25		14,043	3.64	511						
1404006 PINEHURST SYMBOL PONTIAC.....*		7	2	1-21	10	3.3	14,485	3.57	517	0	37	+2	+.03	+4	+3
05-04-61 1244845 2713706 5-73					20		14,488	3.49	506						
1404020 POLAND AMBASSADOR GRACIOUS....*		3	33	3-13,14,	37	2.1	12,436	3.58	445	16	29	+15	-.01	-1	0
02-22-61 1082310 3965081 5-73				52	51		12,161	3.65	444						
1404062 VALLEY CREST IVANHOE JACK.....*		4	6	2-13,21	12	2.5	12,969	3.55	461	**	32	-268	-.04	-15	-20
01-21-61 1189870 3839711 5-73					42		13,752	3.70	509						
1404077 DON PHIL MAGICIAN CAPTAIN.....		4	19	1-93	26	2.4	14,330	3.76	539	**	33	-159	+.02	-3	-7
01-30-61 1144239 4098509 5-73					15		14,870	3.73	554						
1404184 U-MO OLYMPIAN MARC.....*		7	16	2-43,48	33	2.9	14,661	3.70	543	7	43	-76	+.01	-2	-4
02-06-61 1232399 3816733 5-73					40		14,892	3.72	554						
1404195 LSU TEXAS IDEAL.....*		1	10	1-72	10	2.4	15,818	3.25	514	0	22	+204	-.03	+3	+9
03-13-60 1150470 3028311 5-73					35		14,953	3.32	496						
1404202 COLLINS-CREST BUDDY BURKE.....	21-10	2,030	4	21-11,13,	4,819	1.5	16,466	3.44	566	12	99	+888	-.14	+10	+35
08-03-60 1038509 4201732 5-73				14,16,21	25		15,705	3.57	560						
1404264 BRIGEEN GOLDEN GENERAL.....	33-03	180	3	30-11,21,	250	1.2	14,897	3.69	550	14	91	-305	+.06	-3	-12
05-01-61 1170426 3603837 5-73				23,33,41	26		15,325	3.64	558						
1404266 LODESTAR GOLDEN BONANZA.....*		18	2	9-16,21,	27	2.4	15,739	3.71	584	17	60	+762	+.02	+30	+48
01-18-61 1199324 4259610 5-73				22,31,34	19		14,476	3.70	535						
1404272 GREEN DOWNS FOBES BURKE.....*		2	267	2-43,61	269	1.6	14,516	3.35	486	18	28	+472	-.04	+11	+23
02-26-60 1136723 3759987 5-73					43		12,658	3.47	439						
1404314 VIGD VITALITY ORMSBY.....*		6	4	2-32,41	11	2.2	14,024	3.73	523	27	32	-147	+.04	0	-4
02-14-61 1357215 3219766 5-73					15		14,501	3.60	522						
1404428 PUGET SOUND CORRELATION.....	91-13	61	5	6-81,82,	127	2.4	14,201	3.63	515	10	85	-449	+.01	-15	-26
01-20-61 1315253 4472478 5-73				87,91,92	22		14,771	3.62	535						
1404637 LUNDMARK GINGER BEV CHIEF-TWIN		1	26	1-35	26	2.5	15,407	3.60	554	**	27	+92	-.01	+2	+4
11-10-60 1258673 3728730 5-73					4		15,144	3.62	548						
1404687 DEE ANN ROEBUCK BARON.....*	33-03	528	6	40-21,23,	894	1.6	12,995	3.91	508	23	97	-1,990	+.28	-37	-91
11-06-60 1304176 3553202 5-73				35,48,51	26		15,125	3.64	550						
1404688 DEE ANN ECHO ROEBUCK-TWIN.....*		19	18	12-31,33,	57	2.9	13,985	3.64	509	8	53	-292	-.02	-14	-20
03-10-61 1230610 3726903 5-73				35,48,84	36		14,551	3.71	540						
1404780 ODLVIC BURKE FOBES BOLO.....*		5	27	2-35,55	36	2.4	15,804	3.86	610	19	33	+117	+.06	+13	+14
01-27-61 1313976 4612792 5-73					11		15,564	3.71	577						
1404788 DON AUGUR MOTHERMARTHAS PROMIS*	35-75	2,370	5	47-21,23,	5,811	1.4	15,215	3.63	553	14	99	-106	+.03	0	-3
01-15-60 1152252 3692153 1-73				35,41,55	27		15,425	3.62	558						
1404814 FD-MA-TO-SA BURKE BASIL-TWIN..	35-21	522	3	16-35,41,	856	1.2	15,552	3.72	578	13	97	+365	+.05	+21	+28
12-08-59 1233487 3921826 5-73				42,43,48	18		15,263	3.67	560						
1404930 FOR-OEN MASTER BEN.....		3	7	2-16,33	10	2.4	13,497	3.57	482	10	26	-263	+.02	-6	-13
03-21-61 1199324 3212459 9-72					16		14,527	3.50	509						
1404931 SUEDALE BUCKY T.....	21-10	1,133	2	13-11,13,	1,892	1.4	16,273	3.42	557	12	99	+751	-.15	+5	+27
12-13-60 1038509 3676432 5-73				14,16,21	24		15,638	3.56	556						
1404944 NACHES MADCAP KORNDYKE.....*		2	23	1-82	25	3.2	14,291	3.58	511	16	29	-342	.00	-12	-20
01-26-61 1310718 3612802 5-73					22		15,584	3.59	559						

REGISTRATION NUMBER / NAME / DF / BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HO	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS	REC/DAU HERDMATE	MILK	%	FAT	%	1ST REPT INC	%	PREDICTED DIFFERENCES MILK	%	FAT	$$
1404968 SUNSHINE VALLEY EVA JOE.....*		1	12	1-35	12	4.3	13,041	3.63	473		8	26	+34	-.02	-1	0
C1-22-61 1237666 4210457 5-73					9		12,745	3.73	475							
1405053 HILLSIDE CHESTNUT.....*		3	10	1-23	14	2.7	14,422	3.34	481		15	29	+34	-.14	-19	-15
C2-13-61 1298430 2648815 5-73					22		14,292	3.87	553							
1405120 IDEOGRAPH RUSTY HONEYMAN.....*		5	8	2-82,87	21	2.5	14,241	3.46	493		17	39	+92	-.03	-1	+2
C6-14-61 1324959 4546624 5-73					21		13,965	3.55	496							
1405156 RAVENGLEN TRIUNE PRIDE BOB....*		2	10	1-34	19	2.7	13,967	3.51	490		0	36	-183	-.01	-8	-12
C4-06-61 1050848 3054340 5-73					12		14,481	3.55	514							
1405172 RABST ADMIRATION JEWEL.....*		1	22	1-72	22	1.9	12,738	3.52	448	**	25		-216	+.05	0	-7
C4-16-61 1358647 4461690 5-73					42		13,517	3.29	445							
1405186 OXFORD HEIGHTS SIGNET PABST...*		9	25	4-13,16, 21,23	41	3.0	13,391	3.69	494		13	39	+212	+.02	+11	+15
C5-15-61 1346908 4253655 5-73					18		12,672	3.63	460							
1405241 ARCHAMBAULT HERCULES.....*	35-05	29	2	5-33,35, 41,42,74	42	2.7	13,210	3.79	501		15	72	-642	+.10	-9	-27
C1-13-61 1225983 4460931 5-73					19		14,074	3.66	515							
1405324 VERADELDA ROYAL MASTER.....		2	20	1-35	22	3.1	12,865	3.45	444		24	28	-273	-.02	-12	-18
10-21-60 1305460 4464931 5-73					10		13,773	3.52	485							
1405363 SKOKIE COMET.....*	33-03	42	30	15-21,32, 33,73,93	142	2.1	15,337	3.72	571		13	63	-260	+.02	-6	-13
C5-07-61 1352966 3198845 5-73					38		15,906	3.70	589							
1405399 ARCHOLM ABE WINTER.....*		3	10	1-34	14	3.2	13,301	3.48	463	**	29		-75	+.01	-1	-3
C2-21-61 1232296 3912715 5-73					13		13,466	3.45	465							
1405400 LONDON WINDY DUNFLO.....*		6	15	1-31	27	3.1	14,523	3.58	520		8	38	-409	-.04	-21	-30
C6-17-61 1190014 4433416 5-73					69		15,737	3.71	584							
1405489 CAPTAIN BURKE MONARCH DESIGN..	35-21	235	5	9-35,41, 42,43,47	354	1.3	14,670	3.57	524		14	92	-329	-.07	-22	-28
C3-10-61 1332860 4439864 1-73					14		15,099	3.66	552							
1405530 BLEND INKA BURKGOV.....	48-01	201	9	4-43,47, 48,73	730	1.9	14,646	3.48	509		16	96	+249	-.06	0	+8
C9-16-60 1038509 4585964 5-73					23		14,385	3.53	508							
1405531 RE BLEND BESS BURKE.....*		12	18	2-48,74	43	2.5	14,628	3.64	533		22	45	+54	-.01	0	+2
C2-02-61 1381027 5107055 5-73					12		14,520	3.68	535							
1405538 SPEEDSIDE DOUBLE VICTORY.....*		4	17	1-57	22	2.7	16,211	2.99	485		16	32	-3	-.05	-7	-6
C6-26-60 010266796 5384117 5-73					57		16,427	3.10	509							
1405624 MICHIGAN BART COMMAND.....*		3	7	2-34,92	15	1.9	15,625	3.58	560		21	33	-294	+.10	+3	-6
C7-18-60 1285336 4234891 5-73					17		16,744	3.31	554							
1405628 PUGET SOUND STATESMAN.....	35-75	147	17	28-35,41, 55,92,93	253	1.5	15,114	3.59	543		13	81	+53	+.02	+5	+6
03-31-61 1343217 4404452 5-73					27		15,121	3.56	539							
1405634 OATS FARM PRINCE LEADER.....	35-75	20	2	9-23,35, 55,88,93	28	2.1	15,468	3.51	543		9	61	-137	-.04	-10	-12
C6-05-60 1315498 3093720 5-73					36		15,840	3.57	565							
1405643 PRINCE ORMSBY SKYLINER.....*		3	22	1-93	27	2.0	18,592	3.43	638		4	30	+572	-.01	+19	+33
C2-02-61 1244845 2653742 5-73					77		16,910	3.43	580							
1405644 KING LOCHINVAR SKYLINER.....*		2	23	1-93	25	2.4	16,177	3.41	552		5	28	-48	-.01	-3	-4
C2-23-61 1244845 3192547 5-73					58		16,571	3.44	570							
1405702 WAVERTREE FERNSIDE JUPITER....		1	23	1-52	23	3.2	13,383	3.45	462		0	29	-149	+.02	-3	-7
C6-28-61 1141276 3310826 5-73					9		13,853	3.39	470							
1405950 POLYTECHNIC RAVEN CORD.....*		2	7	1-93	12	2.3	15,807	3.53	558		14	29	-1	.00	0	0
C1-03-61 1413350 3411103 5-73					46		15,971	3.54	565							
1405957 MACHOLD SKYLINER DUKE PHILIR..*		3	15	1-21	19	3.9	17,637	3.61	637		6	32	+792	-.02	+26	+45
C7-27-61 1244845 4567749 5-73					31		15,214	3.66	557							
1406272 HARBORCREST MODEL.....*		1	68	1-31	68	3.7	14,898	3.38	504		6	32	+113	-.05	-3	+1
C3-04-61 1281049 4818989 5-73					17		14,561	3.54	516							
1406326 BLOOMER BURKE PRINCE.....*		1	19	1-35	19	2.7	15,879	3.67	582	**	26		+124	-.01	+3	+6
11-09-60 1353364 4808168 5-73					9		15,521	3.72	577							
1406375 WAL-MAT ORMSBY ACE.....*		2	18	1-31	20	2.9	14,672	3.57	524		0	29	-99	-.02	-6	-8
C4-20-60 1186187 4103386 5-73					9		15,093	3.64	550							
1406432 MINERVA CREEK PROFILE.....*		3	9	2-41,42	12	3.1	13,200	3.70	488		20	28	-98	+.01	-2	-5
C6-14-59 1159417 3202844 5-73					11		13,466	3.68	495							
1406456 CAERNARVON SKYLINER.....*		15	11	3-22,23, 51	41	3.0	14,007	3.89	545		26	53	-447	+.04	-10	-22
C2-15-61 1244845 3449879 5-73					21		14,896	3.83	570							
1406513 HOJO KROFT CHARLO ARISTOCRAT..*		14	5	4-12,13, 14,16	34	2.7	13,764	3.57	491		24	59	-423	.00	-15	-25
C4-05-61 1231982 3241711 5-73					28		14,494	3.57	518							
1406520 GREEN RASTURES HAZEL BUD.....*		2	58	1-33	60	3.4	14,217	3.74	532		7	32	+193	-.01	+6	+11
C7-19-61 1290258 3936539 5-73					19		13,526	3.79	512							
1406551 ADLER VICTOR LONDON.....*	23-09	139	5	4-23,50, 51,93	256	1.2	14,329	3.74	536		17	89	-1,041	+.04	-32	-58
C3-14-61 1274685 4742594 5-73					32		15,620	3.71	579							
1406560 RIVER INN MARTY MAGISTRATE....*		6	3	1-93	10	1.5	16,115	3.59	579	**	31		-53	+.01	0	-2
05-21-61 1126307 4279035 5-73					26		16,503	3.58	591							
1406562 RIVER INN ALEX PILOT.....		2	13	1-93	23	2.2	16,535	3.83	634		0	35	-166	+.09	+7	+1
C7-04-61 1094305 4870556 5-73					55		17,300	3.62	626							
1406623 S V F TANASI DEMOCRAT.....	63-01	45	4	3-57,63, 86	115	2.4	12,912	3.69	477		11	84	-808	+.06	-21	-42
C3-23-61 1124760 3039242 5-73					25		13,819	3.63	502							
1406632 G-ROMAR SKYLINER BOY.....*		7	6	2-16,21	19	3.0	13,793	3.70	511		23	44	-305	+.04	-5	-13
10-19-60 1244845 4236323 5-73					15		14,501	3.63	526							
1406649 STAFFORDSHIRE IVANHOE SONNY...*		4	11	1-21	22	3.6	16,596	4.02	667		0	39	+261	+.13	+28	+31
C6-28-61 1189870 4359538 5-73					29		16,103	3.75	604							
1406768 ELLENVALE GYRSIE PRODUCER.....*		1	12	1-41	12	2.4	14,826	3.54	525		20	24	-147	-.03	-9	-12
03-09-61 1277213 2991931 5-73					17		15,575	3.67	571							
1406794 ROYAL SEQUOIA OJKE.....*		7	4	5-31,52, 55,63,72	15	2.0	12,704	3.67	466	**	40		-315	+.05	-5	-14
C9-12-59 010237136 4926721 5-73					12		13,398	3.56	477							
1406841 KIN LAND HOMESTEAD JOE.....*		2	15	1-35	17	2.8	13,697	3.67	502		0	28	+229	.00	+8	+13
C4-20-61 1106334 3966700 5-73					11		12,703	3.68	468							
1406895 SKOKIE CORONET CLIMAX.....	35-75	717	9	41-21,23, 35,41,47	1,288	1.3	14,955	3.52	526		15	97	-141	-.10	-20	-21
C4-14-61 1382768 4291082 1-73					34		15,180	3.63	551							
1406901 W A F CRETE ROSAFE ADMIRAL....		2	12	1-54	14	2.3	13,557	3.63	492	**	26		-585	+.04	-15	-30
C9-14-60 1330681 4668052 1-73					10		15,988	3.50	560							
1406938 TIDY BURKE BLUE BOY.....*		5	26	1-48	63	2.5	16,263	3.36	546		18	47	+189	-.05	0	+6
C1-20-61 1376029 5159352 5-73					15		16,024	3.42	548							

REGISTRATION NUMBER NAME DF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES ND- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS	REC/DAU HM/DAU	MILK HEROMATE	% MILK	FAT %	FAT INC	%	PREDICTED DIFFERENCES MILK	%	FAT	$$
1407273 ROTHERWOOD DIRECT HAWKI-PAUL..		1	50	1-52	50	2.3	13,114	3.69	484	7	29	-200	-.01	-8	-13
C8-07-61 1141276 3957298 5-73					27		13,749	3.75	515						
1407295 E M C MASTER BURKE.....*		3	36	1-93	42	1.6	16,983	3.80	645	**	29	+133	-.03	+1	+5
C5-15-61 1181068 4650690 5-73					41		16,756	3.90	654						
1407362 SILVER LAKE OSBORNDALE POSCH..*		14	15	3-52,55,	45	3.0	17,265	3.91	675	7	51	+618	+.10	+37	+49
06-15-61 1189870 3918558 5-73				57	19		16,244	3.77	612						
1407387 HALLCREST FOLLOW ON FOBES.....	63-01	43	4	1-63	110	2.8	13,493	3.68	496	17	85	-682	+.06	-16	-34
07-07-61 1142734 3548102 5-73					22		14,291	3.61	516						
1407449 TOPS NATIVE GEORGIE.....*		15	30	2-11,12	57	2.5	16,384	3.46	567	2	43	+134	-.05	-3	+2
C8-14-61 1349485 3063741 5-73					39		16,256	3.59	584						
1407496 LEADER VALE OF A B.....*		2	16	2-35,42	18	2.9	11,436	3.57	407	17	28	-422	-.01	-16	-26
03-27-61 1234517 468409C 5-73					46		12,757	3.62	462						
1407665 PUGET SOUND CONCENTRATE.....*		2	25	1-84	35	2.1	13,221	3.50	463	12	33	-26	-.01	-2	-2
C6-24-61 1315253 3278701 5-73					92		13,181	3.54	467						
1407711 BRIGEEN GOLDEN STANDARD.....*		16	20	3-11,12,	53	3.6	14,327	3.73	535	16	50	-499	+.04	-12	-25
C5-14-61 1170426 3268315 5-73				13	26		15,433	3.66	565						
1407724 ARLINOA ACE.....	33-03	129	5	28-21,23,	220	1.2	15,881	3.46	549	13	88	-278	-.13	-28	-31
05-15-61 1283917 4458327 5-73				52,55,93	38		16,400	3.59	589						
1407781 BIG ELM DEAN SKYLINER.....*		10	3	3-21,23,	18	3.0	14,020	3.46	485	14	49	-363	-.06	-22	-29
C8-18-61 1244845 3578656 5-73				33	27		14,799	3.60	533						
1407817 CENTER FIELD IVANHOE TRUSTEE..	61-02	541	6	11-13,31,	1,587	1.6	15,108	3.67	555	15	98	+42	+.04	+7	+7
C1-28-61 1189870 4493840 5-73				32,34,52	19		15,140	3.64	551						
1407874 SHAWS ARISTOCRAT FAME.....*		6	32	1-34	49	3.1	13,463	3.88	522	15	38	-157	+.05	+1	-4
C3-28-61 1124780 3719770 1-73					34		13,820	3.76	519						
1407876 ROMANDALE TEXAL TRIBUNE.....*		8	36	3-33,35,	54	3.5	12,653	3.57	452	10	39	-128	-.03	-9	-11
C7-13-60 010260008 010722711 5-73				73	12		12,830	3.69	473						
1407892 TUM-A-LUM ZUBA RUBA.....*		8	27	4-11,12,	44	3.9	13,836	3.66	507	10	41	-21	+.03	+4	+3
06-06-61 1053381 4391461 5-73				13,54	30		13,835	3.57	494						
1407925 ANGLE LANE CHIEF PILOT.....*		1	10	1-35	10	4.3	15,948	3.73	595	0	25	+170	+.03	+10	+13
09-11-61 1246181 4038775 9-72					13		15,367	3.62	557						
1408080 CHAPEL BANK WORTHY SPANGLE....	21-10	879	2	12-11,13,	1,362	1.3	16,330	3.48	568	11	99	+806	-.09	+16	+38
08-03-61 1124780 3215754 5-73				14,15,21	25		15,636	3.55	555						
1408100 BOWMONT DIRECT ROD DEXTER-TWIN		1	24	1-52	24	3.5	11,710	3.67	430	6	29	-276	+.02	-7	-14
08-01-61 1141276 3677945 5-73					14		12,473	3.62	452						
1408125 HILLSPRIDE WISCAP GOLDEN.....*		5	25	2-74,93	37	2.2	14,837	3.37	500	7	35	+152	-.04	0	+5
C1-19-61 1144239 4203834 5-73					26		14,401	3.47	499						
1408268 BEELER FARM RAG APPLE MAGICIAN		1	18	1-32	18	2.1	12,492	3.71	464	6	24	-121	+.01	-3	-6
12-03-60 1138451 3947910 5-73					8		12,841	3.69	474						
1408278 SKOKIE WOLVERINE.....*		8	8	3-34,52,	25	3.3	15,470	3.27	506	0	48	+248	-.08	-3	+5
07-07-61 1288610 4377641 5-73				65	14		15,016	3.42	514						
1408321 MARDY REFLECTOR ARISTOCRAT....*		7	3	2-14,21	16	3.0	16,627	3.83	636	7	45	+465	+.10	+31	+40
C7-04-61 1298430 4338598 5-73					15		15,729	3.64	572						
1408355 WIS PIONEER WONDER BOY.....*		6	31	4-35,46,	40	3.0	14,337	3.59	514	12	35	-268	-.03	-14	-20
07-23-61 1292880 4512606 5-73				52,57	11		15,196	3.70	563						
1408357 WIS DESIGN.....*		9	15	3-52,54,	48	1.9	14,857	3.33	494	9	50	-376	-.08	-25	-32
09-23-61 1292880 3612216 5-73				63	42		15,756	3.48	549						
1408488 FLO-SILVER ROCKET GREAT.....*		5	16	2-43,71	27	2.2	15,086	3.37	509	27	36	+262	-.05	+2	+10
07-01-61 1336481 4293786 5-73					21		14,348	3.51	503						
1408583 SPRUCEGATE RAG APPLE MATADOR..*	21-10	70	9	3-13,21,	111	3.1	14,872	3.56	529	10	79	-597	-.04	-27	-40
06-12-61 010218036 3909669 9-72				23	21		15,771	3.61	569						
1408616 M V B A U H TEN GLADYS ROG....	41-01	26	1	3-41,45,	31	2.0	14,188	3.52	500	13	64	+68	-.01	+1	+3
03-07-61 1038509 4183103 1-73				46	19		14,048	3.53	496						
1408640 UNH GRENADIER GUARDSMAN.....	33-03	550	3	40-21,23,	863	1.3	15,826	3.62	573	11	97	+513	.00	+18	+30
C9-06-61 1376785 3838209 1-73				35,41,93	27		15,400	3.62	558						
1408680 SHETLARS TIDIAC CANARY STAR...*		2	12	2-34,85	14	2.7	14,064	3.40	478	10	26	-129	-.01	-6	-9
C9-23-61 1151385 4130394 5-73					51		14,577	3.45	503						
1408738 SHELDON MEL IVANHOE REFLECTION*	61-02	503	6	28-16,21,	1,250	1.4	14,635	3.71	543	20	98	-526	+.09	-19	-27
03-30-61 1189870 4311379 9-72				32,34,93	27		15,376	3.63	558						
1408789 SANDYLAND MATCHLESS AAGGIE....*		7	17	3-45,73,	30	2.7	14,294	3.42	489	15	38	-375	+.05	-7	-17
10-16-61 1321751 4626325 5-73				85	13		15,379	3.30	508						
1408824 KEYES WAYNE GLENAFTON DRUMMER.*		1	14	1-23	14	2.8	12,417	3.58	445	**	25	0	-.04	-6	-5
11-23-59 1326835 4724911 5-73					19		12,200	3.84	469						
1408842 PEACEFUL VALLEY REBURKE.....*		10	6	2-13,21	30	2.6	14,744	3.30	487	**	53	-140	-.11	-21	-21
12-02-60 1112211 3683101 5-73					18		15,078	3.51	529						
1409036 ROELAND WESTERN SUPREME.....	41-25	84	5	5-23,35,	128	2.9	12,364	3.88	480	16	84	-1,207	+.15	-24	-56
C5-30-53 010212120 010948195 5-73				41,45,74	18		13,733	3.71	509						
1409132 PENSTATE DELIGHT.....*		1	55	1-52	55	2.4	13,536	3.85	521	20	29	-110	-.01	-5	-7
C8-20-61 1218298 4485554 5-73					48		13,871	3.94	546						
1409146 MELODAY WIS LEADER.....*	93-19	3	13	3-35,41,	17	3.6	13,994	3.71	519	12	31	+73	+.02	+5	+6
10-22-60 915940 4184561 5-73				42	12		13,683	3.67	502						
1409169 LIME HOLLOW BURKGOV OEAN.....*	55-01	9	8	1-55	39	3.0	17,412	3.64	633	11	57	+430	.00	+14	+24
C3-08-61 10385G9 3918867 1-73					29		16,957	3.65	619						
1409191 BURKE SUNNY OAK JOE.....		1	10	1-42	10	3.4	12,502	3.72	465	11	24	-10	.00	-1	-1
10-02-59 1170910 4722885 5-73					10		12,341	3.80	469						
1409196 NEMAHA SIR RAVEN LEADER.....		4	11	2-23,48	33	3.4	12,315	3.79	467	7	49	-207	+.05	0	-6
C3-31-61 1261357 4218693 5-73					19		12,556	3.67	461						
1409275 ELMOKA HOMESTEAD JIM.....*		1	11	1-35	11	3.6	13,599	3.90	530	18	24	-106	+.04	+2	-2
C4-09-61 1357645 4511633 9-72					10		14,000	3.72	521						
1409283 FRIESEN AVALANCHE KING.....		1	19	1-46	19	3.8	16,261	3.51	563	6	27	+329	-.03	+8	+17
C9-22-60 1192325 4767112 5-73					13		14,911	3.59	536						
1409414 CHIEFTAIN RO-BAR BURKE IDEAL..		1	10	1-42	10	2.5	16,108	3.48	560	**	23	+194	-.02	+4	+9
04-04-61 1370339 4705124 5-73					5		15,352	3.55	545						
1409438 ROCK RIVER PACEMAKER.....	91-11	72	15	7-23,33,	149	2.1	11,809	3.66	432	18	75	-827	+.01	-28	-48
10-30-61 1355376 3740521 5-73				42,46,73	14		12,747	3.65	465						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... OAUS	REG/DAU HM/DAU	HERDMATE MILK	%	FAT	%	LST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1409457 NOTLIM SPRING ROCKY.....*		3	16	1-23	21	3.3	14,896	3.42	510	10	33	+127	-.05	-3	+1
05-03-61 1189870 5325148 5-73					7		14,524	3.59	522						
1409475 PABST ADMIRATION BELL.....*	35-03	11	15	4-35,41,	33	2.9	14,225	3.71	528	3	43	-3	-.05	-7	-6
C7-12-61 1358647 4359024 5-73				63,65	25		14,218	3.86	549						
1409536 JERGENS ROYAL LADDIE-TWIN.....		1	21	1-41	21	2.0	14,494	3.37	488	**	25	-300	-.02	-14	-21
02-02-61 1305460 4647157 1-73					5		15,843	3.47	550						
1409660 CASH-MAR MAX SUPREME.....*		24	12	5-32,54,	84	2.2	14,745	3.40	502	5	67	-86	-.06	-11	-12
C8-04-61 1382768 4669546 5-73				55,57,65	17		14,927	3.48	520						
1409681 SAXET MAJESTY JULE.....*		5	7	1-74	17	4.5	16,154	3.27	528	0	42	+570	-.06	+12	+27
C4-07-60 1293580 3838625 5-73					23		14,827	3.36	498						
1409684 WIN-MOCK OVATION PAT.....*		1	13	1-55	13	4.2	16,105	3.15	507	15	26	+283	-.07	0	+9
C7-22-61 1376379 4760669 5-73					24		15,089	3.34	504						
1409704 KODI MAGIC FRANK.....*	93-05	7	13	1-93	33	2.3	18,273	3.56	650	4	43	+250	+.03	+13	+18
C7-21-61 1138451 4022223 5-73					104		18,060	3.50	632						
1409789 CARNATION DE MAAS IDEAL.....*	35-05	77	3	5-33,35,	119	2.1	13,674	3.61	494	14	86	-903	-.05	-39	-59
C7-29-61 1175596 4167206 5-73				41,42,74	20		14,763	3.68	543						
1409794 CARNATION IDEAL MASS IDOL.....	61-02	45	3	1-34	73	2.0	13,221	3.59	474	17	77	-518	+.03	-14	-27
10-24-61 1175596 4434218 5-73					22		13,839	3.55	491						
1409699 ELMER BROOK ROYAL WINDSOR.....*		3	51	2-21,50	65	2.0	12,173	3.58	436	15	33	-236	+.02	-5	-11
C6-05-61 1349678 3895607 5-73					23		12,724	3.52	448						
1410001 MT JOSEPH TIDY CENTENNIAL.....*		4	109	1-48	117	2.6	13,804	3.22	444	7	32	+80	-.02	0	+2
C4-22-61 1275764 2698557 5-73					60		13,459	3.25	438						
1410117 THUNYMA LUCKY MOSE.....*	31-07	630	5	24-32,34,	1,785	1.4	14,976	3.67	550	14	98	-11	+.05	+7	+5
C6-12-61 1196645 3735333 1-73				48,51,52	20		15,054	3.63	546						
1410125 N M A C CREATOR RAG APPLE.....*	91-11	2	26	2-42,85	28	2.9	16,271	3.23	525	4	29	+335	-.03	+8	+17
C9-06-61 1274685 5131967 5-73					70		15,202	3.26	495						
1410164 SOVEREIGN ACHILLES.....*		7	14	1-35	46	2.3	15,021	3.54	532	7	51	+262	-.08	-3	+5
C2-06-61 1492073 5238920 5-73					18		14,515	3.73	542						
1410205 ROSNI COUNCIL WORTHY ARIST....		4	29	1-55	36	2.1	14,338	3.79	543	23	31	-450	+.06	-8	-20
C9-03-61 1124780 3509223 5-73					27		15,958	3.62	577						
1410237 NUNESDALE HIGH MARK.....	93-19	131	13	20-23,35,	259	1.4	15,943	3.76	599	15	83	-240	+.08	+2	-6
C8-04-61 1376808 4594401 5-73				41,42,93	33		16,436	3.68	605						
1410332 KENIEL PIDDN PILOT.....	87-01	85	2	5-41,45,	112	2.1	14,535	3.41	496	14	87	+79	-.12	-15	-10
C5-29-61 1172396 4231661 5-73				82,84,87	15		14,450	3.56	514						
1410375 LAWCREST B I JESS.....*		4	5	2-21,23	10	2.2	14,329	3.37	483	17	29	-275	-.06	-18	-23
C8-01-61 1372855 4388051 5-73					19		15,386	3.58	551						
1410387 GAR-BAR-DALE BURKE KATE.....*	93-19	465	5	37-23,31,	947	1.3	15,160	3.51	532	14	97	-193	-.12	-24	-26
10-30-61 1113350 4477168 5-73				35,42,91	29		15,467	3.63	562						
1410401 ELMOKA HOMESTEAD ABNER.....*		16	4	4-23,35,	37	2.4	13,216	3.35	443	24	63	-574	-.13	-38	-49
09-27-61 1257762 3136542 5-73				65,74	17		14,105	3.57	504						
1410466 MISTER BERRY.....	41-01	236	3	11-41,45,	377	2.6	14,190	3.60	511	14	95	-292	+.03	-7	-15
10-04-61 1305460 4420814 1-73				46,82,87	16		14,509	3.58	519						
1410506 IRVINGTON ADMIRAL SCOT-TWIN...*	51-02	134	2	8-23,34,	195	2.8	12,920	3.55	459	14	92	-1,047	-.12	-54	-76
C8-17-61 1237057 3309584 5-73				51,52,54	23		14,024	3.70	519						
1410545 HOWACRES OAK BERNIE.....*		7	11	4-21,22,	24	2.4	16,421	3.80	624	17	39	+221	.00	+8	+13
C6-31-61 1343816 3696576 5-73				23,51	22		16,018	3.82	612						
1410587 FULTON FARMS FOBES COUNT.....*		10	3	3-52,54,	21	2.2	14,723	3.42	503	0	51	+341	-.07	+2	+12
10-21-61 1221917 3405622 5-73				55	19		14,017	3.54	496						
1410603 CREATOR LODESTAR R A.....	35-21	116	7	7-35,41,	197	2.2	14,357	3.80	546	18	87	-334	+.12	+5	-6
10-24-60 010249530 010871199 5-73				42,43,47	20		14,779	3.67	543						
1410639 ELKLAND CHIEF ADMIRAL.....*		2	8	2-35,41	10	1.4	14,137	3.93	556	**	21	-138	+.04	+1	-3
10-20-61 1214152 3629019 1-73					39		14,835	3.75	556						
1410708 GREENWOOD BARUCH.....*		14	6	6-21,22,	29	2.9	17,369	3.71	644	13	54	+666	+.08	+36	+50
C5-22-61 1316590 4029136 5-73				23,32,50	19		16,322	3.58	584						
1410733 FOREST GREENE SEARS MARY.....	35-75	405	6	38-35,41,	785	1.2	16,274	3.53	575	9	96	+567	-.02	+17	+31
C9-05-61 1285978 4062904 5-73				55,85,93	72		15,827	3.54	561						
1410773 MAJR-LIND ANSON V FLIPPD.....*		5	30	1-93	39	3.0	16,251	3.25	528	21	34	-52	-.08	-13	-12
10-19-61 1314880 4609131 5-73					86		16,630	3.46	576						
1410792 THUNYMA MARQUIS.....*		11	18	4-35,48,	36	3.4	14,218	3.80	540	12	43	-653	+.05	-16	-33
C2-03-61 1013415 4204564 5-73				73,84	21		15,880	3.70	587						
1410795 CADET RAVEN KING.....*		2	27	1-31	29	2.8	13,336	3.61	482	4	29	-232	+.01	-7	-13
01-18-61 1203713 3685834 5-73					19		14,101	3.60	507						
1410828 EDELMA RAVEN BEN.....*		4	8	1-42	20	3.3	12,563	3.90	490	16	42	-439	+.09	-3	-16
C8-13-61 1183498 3968119 5-73					10		13,527	3.67	497						
1410935 EE-OAH-HOW REFLECTOR TOMAHAWK.*		6	11	1-82	31	2.5	13,795	3.44	475	16	45	-460	+.02	-14	-25
10-31-60 1298430 4834663 5-73					21		14,671	3.41	507						
1410972 SILVER SHADE KING IVANHOE.....*	21-10	39	8	7-11,12,	74	2.7	15,727	3.61	568	11	72	+135	-.03	0	+4
10-24-61 1189870 4183253 5-73				13,16,21	25		15,668	3.66	574						
1410984 PENSTATE STAR MAN.....*	33-03	3,500	6	47-21,23,	8,562	2.2	14,600	3.69	539	13	99	-340	+.08	-1	-11
06-08-61 1139970 2559786 5-73				33,35,41	24		15,003	3.63	544						
1410991 LAKEVALE JACK PABST-TWIN.....		4	7	1-33	19	2.4	15,326	3.70	567	0	39	+376	+.01	+15	+24
10-22-60 1359529 4087947 1-73					12		14,347	3.69	530						
1411026 PINEYHILL GALAXY.....*	23-13	1,212	7	18-21,22,	3,792	1.9	14,761	3.77	557	12	99	-208	+.07	+3	-4
C5-28-61 010250315 3235970 5-73				23,52,93	23		15,036	3.71	558						
1411153 LYON BROOK LINDENWOOD IVAN.....*		2	10	2-31,56	12	2.6	13,737	3.82	525	30	26	-262	+.06	-1	-9
10-28-61 1189870 4420261 9-72					16		14,806	3.61	535						
1411187 SUNNYMEDE RAG APPLE COUNT.....*		7	6	2-74,85	19	2.4	15,207	3.15	479	6	42	+158	-.11	-11	-4
06-24-61 1210507 3909404 5-73					53		14,877	3.41	507						
1411203 PALTZER JEMSBY PABST REGAL JO.		2	41	2-35,41	43	2.7	13,557	4.19	568	4	30	-23	+.09	+12	+9
09-17-61 1258673 4311872 5-73					5		13,554	3.89	527						
1411214 COUNCIL ROCK IVANHOE.....*	21-10	852	6	11-11,13,	2,044	2.2	15,101	3.69	557	12	99	-6	+.04	+5	+4
C8-20-61 1189870 2778890 9-72				14,16,21	21		15,188	3.66	556						
1411224 WOODSIDE FARM TY VIC BELLE....*	23-11	110	2	3-21,22,	172	2.8	15,150	3.59	544	10	91	+138	-.07	-5	0
C8-29-61 1038509 4612328 9-72				23	21		15,066	3.68	554						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS	REC/DAU HERDMATE	MILK	% MILK	FAT	% FAT	1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1411228 SUNNYSIDE LEADER APOLLYON.....*	41-25	5	19	3-23,35,	31	3.0	15,313	3.77	578	7	38	+339	-.04	+7	+16
C7-20-61 1242338 3745107 5-73				41	8		14,413	3.91	564						
1411230 SUNNYSIDE MONTVIC CHIEF.....	41-01	340	2	7-41,42,	528	1.6	14,657	3.72	545	12	96	+19	+.12	+18	+15
10-08-61 1242338 3492766 1-73				45,46,87	15		14,665	3.59	527						
1411312 BURKE HAMMERHEAD CHIEF.....		3	33	1-48	39	3.3	14,316	3.70	529	0	33	-118	+.01	-3	-6
11-10-60 1323988 3348173 5-73					12		14,704	3.69	543						
1411366 SHANGHIGH DOUBLE EXEC JACK....		40	2	5-13,14,	54	2.3	14,133	3.81	538	36	74	-448	+.12	0	-14
12-09-60 1090258 3606298 5-73				16,57,61	25		14,775	3.66	541						
1411432 SPY ROCK JULES IVANHOE.....*		11	12	2-11,16	37	3.0	14,998	3.67	550	14	50	-48	+.02	+1	-1
C9-14-61 1189870 4386497 5-73					40		15,174	3.64	552						
1411458 TAGALONG CUPID MODEL.....	41-01	398	2	9-41,42,	638	1.7	14,246	3.62	516	12	97	-349	+.05	-6	-15
10-18-61 1223243 3830787 5-73				45,82,87	16		14,631	3.58	524						
1411506 COZY GROVE CRESCENT TRIUMPH...*		9	36	6-23,35,	55	3.0	12,217	3.59	438	18	39	-509	-.06	-26	-37
07-01-61 1316533 4355379 5-73				43,63,72	29		13,440	3.77	507						
1411631 SKYWAY E S OSCAR.....*		7	4	3-13,35,	19	2.5	15,798	3.46	546	17	47	+139	-.03	0	+4
07-07-61 1344345 4595319 9-72				93	30		15,625	3.53	551						
1411695 EMMONS NOEL CHRIS.....*		13	15	3-34,42,	39	2.2	14,286	3.73	533	0	45	+224	+.03	+12	+17
C8-08-61 1315498 3668205 5-73				55	17		13,715	3.67	504						
1411729 WINNEBAGO DYNAMO PRIDE.....*		6	22	1-35	34	3.1	14,009	3.87	542	13	37	+40	+.02	+5	+5
D8-14-61 1288311 3922692 5-73					36		13,848	3.83	531						
1411734 MAYERS DUKE JUST RIGHT.....*		9	22	1-34	61	2.3	14,624	3.76	550	20	49	-535	+.07	-9	-24
08-05-61 1293580 3712504 5-73					30		15,871	3.63	576						
1411766 MELLO-VAR IVANHOE ROYAL.....*		4	60	2-31,32	66	3.0	13,997	3.99	559	8	32	-280	+.11	+6	-4
10-24-61 1189870 4341713 5-73					10		14,921	3.65	544						
1411779 GAMBOLING MODEL D B AB-TWIN...*		9	7	5-34,35,	28	2.0	13,703	3.93	538	21	48	-471	+.09	-5	-18
C8-13-61 1148993 4608010 5-73				47,48,61	14		14,713	3.77	554						
1411807 OAKTON MASTER CORNUCOPIA.....*		1	10	1-31	10	2.5	13,680	3.43	469	20	21	-15	-.02	-4	-4
C3-14-61 1395916 4181C88 1-73					3		13,685	3.57	488						
1411827 S P S M GOMAR ECHO.....*		2	20	1-34	22	2.1	13,765	3.47	478	10	27	+133	-.03	0	+4
10-22-61 1283502 4378867 5-73					83		13,148	3.61	474						
1411856 WHITE PLAINS PACER ECHO.....		1	70	1-56	70	1.9	16,155	3.43	554	7	28	+172	-.01	+5	+9
11-10-61 1398286 4641485 5-73					19		15,669	3.43	538						
1411892 ROLLING KNOLL MATORIAS.....*		6	4	1-51	18	1.7	13,346	3.67	490	**	42	-96	+.02	-1	-4
05-19-61 976710 2904186 5-73					26		13,487	3.66	493						
1411975 LONBRIK CHAMP.....*		1	60	1-91	60	2.8	14,140	3.68	520	2	30	+16	+.02	+4	+4
C3-26-61 1245779 3794197 5-73					49		14,051	3.59	505						
1412021 THONYMA BLACK LAD.....*		1	60	1-43	60	2.1	10,932	3.57	390	**	28	-201	+.02	-5	-10
10-28-61 1271122 4951248 5-73					18		11,348	3.53	401						
1412106 PAWNEE FARM ROYAL MASTER.....*		4	113	2-43,48	119	2.5	13,288	3.73	496	7	32	-19	+.03	+4	+3
C5-03-61 1305460 3922839 5-73					45		13,235	3.61	478						
1412108 MACSFARM ECHO BARNABAS-TWIN...*		1	13	1-21	13	3.9	15,732	3.48	548	8	27	+64	-.03	-2	0
C4-06-61 1227400 3101766 5-73					25		15,614	3.61	563						
1412122 THONYMA CHARLIE.....*		9	4	4-22,23,	21	3.0	14,075	3.76	529	6	50	-290	+.03	-6	-14
C7-22-61 1113350 4240668 5-73				51,54	55		14,690	3.71	545						
1412123 THONYMA PONTIAC SENATOR.....*		7	13	1-47	37	2.8	15,186	3.66	556	3	49	+182	-.02	+4	+9
C6-07-61 1196645 4613999 5-73					16		14,851	3.71	551						
1412128 WINTERCREST SUNLINER.....*	21-10	1,391	4	14-11,13,	2,797	1.8	15,486	3.53	546	15	99	+96	-.09	-9	-4
C8-11-61 1038509 3813482 5-73				14,16,21	24		15,500	3.61	560						
1412161 MAN-O-WAR B F CRESCENT ROCK...*		13	12	3-43,71,	34	2.0	14,713	3.21	472	10	44	+4	-.06	-9	-7
08-08-61 1188731 4610498 5-73				73	17		14,739	3.33	491						
1412216 ROUND OAK IVANHOE CENTURIAN...*		2	19	1-52	27	2.8	13,934	3.84	534	7	34	+159	+.02	+8	+11
D7-20-61 1189870 3757934 5-73					18		13,329	3.82	509						
1412283 ELM RIDGE MAPLE DU VAR.....*		1	14	1-35	14	3.1	15,042	3.53	531	15	25	+242	-.04	+3	+10
C8-03-61 1386466 4850296 5-73					41		14,052	3.71	521						
1412376 BUDD FARM HIGH ARTIST.....		1	47	1-34	47	2.6	16,267	3.53	575	21	29	+118	-.02	+1	+4
11-14-61 1372643 5025310 5-73					21		16,016	3.61	578						
1412398 JONAVAN PUGET BARNEY.....*		1	18	1-34	18	2.7	15,772	3.47	548	22	26	+361	-.03	+8	+17
10-24-61 1214152 4901773 5-73					11		14,393	3.59	516						
1412401 CARLINS HILLTOP IDEAL DUSTY...*		3	26	1-48	52	2.7	15,150	3.54	537	11	43	-121	-.03	-8	-10
C6-18-61 1113350 4269077 5-73					9		15,550	3.62	563						
1412487 SCOBAR WORTHY KAISER.....*		10	15	2-21,23	36	2.9	14,980	3.56	533	17	44	-41	.00	-2	-3
10-27-60 1124780 3485974 5-73					23		15,151	3.58	543						
1412599 KODI MAX ABE.....*		9	30	3-47,74,	87	2.3	17,237	3.41	588	22	51	+148	-.05	-2	+3
09-09-61 1382768 4055040 5-73				93	91		17,234	3.50	603						
1412611 FISHER FARMS IVAN.....*		4	41	1-21	72	2.1	14,079	3.69	519	22	40	-236	+.01	-7	-13
10-05-61 1189870 3955728 5-73					23		14,707	3.69	542						
1412682 ELMOKA HOMESTEAD OBIE.....*	35-05	22	3	3-33,35,	41	2.5	14,877	3.45	514	18	68	+523	-.12	+5	+23
11-25-61 1252987 3858510 5-73				63	16		13,917	3.63	505						
1412780 MILLERVALE ROBURKE WALLIE.....*		1	13	1-23	13	3.9	14,159	3.46	490	8	26	-191	-.05	-14	-17
C7-05-61 1190632 4610570 5-73					13		14,968	3.69	553						
1412796 GRAY VIEW RAG APPLE SKYLARK...*		8	2	4-31,51,	13	2.9	14,386	3.52	506	0	45	+240	-.03	+4	+11
12-08-61 1378594 5088681 5-73				52,55	16		13,785	3.58	494						
1412808 WEED FARMS DON IRVING.....*		5	7	1-21	13	2.5	14,993	3.53	529	17	32	-430	-.03	-19	-29
08-14-61 1294527 2624471 5-73					15		16,538	3.61	597						
1412861 O-GOOD REGENT.....*		5	5	2-33,55	15	3.7	13,505	3.78	510	7	41	-199	+.03	-3	-8
11-03-61 1253983 3937088 5-73					13		13,946	3.72	519						
1412902 WILOTJP MAJOR.....*		3	23	1-31	27	2.3	13,344	3.78	505	27	29	-418	-.02	-18	-27
11-29-61 1382768 3430266 5-73					16		14,837	3.90	578						
1412933 MIDLAND MAGIC MERCURY LAD.....*	93-17	7	12	2-35,93	32	2.2	16,444	3.69	607	5	45	+33	+.01	+3	+3
11-10-61 1138451 3307043 5-73					42		16,591	3.68	610						
1413027 EJLANE MIKE TRITON.....*		12	44	4-21,23,	72	2.9	14,239	3.62	516	9	41	+17	-.01	-1	0
C9-17-61 1378212 3870493 5-73				31,32	40		14,177	3.67	521						
1413065 WINCOWIS CAPTAIN BURKE ORMSBY.*		10	21	6-33,35,	43	2.9	13,504	3.50	472	6	42	-303	-.03	-15	-21
C1-09-61 1144239 4914574 5-73				46,51,65	16		14,203	3.59	510						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS HM/DAU	REC/DAU HEROMATE	MILK MILK	% %	FAT FAT	% INC	LST REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1413083 BRIGEEN MODEL PARAGON.....*	35-05	853	6	29-32,33,	2,611	1.9	14,460	3.77	545	14	99	-417	+.09	-3	-15
12-07-51 1148993 3862151 5-73				35,41,42	18		14,937	3.70	552						
1413096 PEEL LODGE JOHANNA PLUS ECHO..*		12	18	3-13,21,	43	2.5	15,323	3.65	559	17	45	-26	+.07	+9	+7
04-13-51 D10256911 D11247185 5-73				23	30		15,493	3.50	542						
1413108 KNOLLSIDE IVANHOE ANTARES STAR*		6	9	2-41,42	24	1.8	16,185	3.57	578	5	40	+869	-.02	+28	+49
10-05-51 1189870 4837759 1-73					12		13,970	3.63	507						
1413112 KNOLLSIDE GOOD GOV CARL.....*		2	11	1-41	18	2.9	13,460	3.59	483	**	34	-1	-.02	-3	-2
09-20-51 1302331 4178116 5-73					11		13,363	3.68	492						
1413117 MIL-KEY CREATOR.....*		2	25	2-56,91	27	3.2	16,896	3.66	619	7	30	+85	+.04	+9	+10
07-07-61 1142734 4890650 5-73					33		16,860	3.55	598						
1413133 WINTERTHUR MASTER EDEN QMASTER*		17	29	7-21,23,	61	2.3	14,686	3.64	535	24	44	-304	-.03	-15	-22
08-31-51 1305460 3942445 5-73				50,51,52	20		15,497	3.72	577						
1413135 MISTYVALE MONITOR.....		1	17	1-52	17	1.5	14,008	3.60	504	24	23	-59	+.01	-1	-3
01-09-51 1356464 4519601 5-73					81		14,262	3.60	513						
1413159 DIAMOND J DUSTY BOLIVAR.....*	35-05	42	2	4-35,41,	63	2.5	14,229	3.59	511	23	78	-87	-.04	-9	-10
08-08-61 1205185 2854856 5-73				42,63	14		14,335	3.66	524						
1413165 FOREST LEE CENTURION ROCKET...	35-75	2,509	16	45-21,23,	6,333	1.9	15,844	3.39	537	12	99	+823	-.21	-3	+22
06-07-58 D10239301 D11093766 5-73				35,41,55	53		15,084	3.60	543						
1413165 BLACKMOUNT IVANHOE LEO-TWIN...*		5	4	5-12,23,	11	3.0	15,734	3.63	571	11	35	+58	-.04	-3	-1
09-24-61 1189870 3846752 5-73				33,55,57	24		15,700	3.75	588						
1413178 HI HOPE RANCH IMPERIAL JERRY..*		3	50	2-92,93	54	2.2	14,860	3.42	508	21	29	+135	-.03	0	+4
10-07-51 1138441 4798651 5-73					25		14,401	3.51	505						
1413184 NEWMONT NOBLE LEADER.....*		5	4	2-13,23	10	2.2	14,409	3.46	498	0	32	-38	-.01	-3	-4
01-31-52 1175509 4761311 1-73					27		14,547	3.51	511						
1413193 COUNTRY JOE HARTOG REBEL.....		3	41	1-87	49	2.7	14,736	3.58	527	15	32	-205	+.07	+3	-4
03-25-61 1335627 4321675 5-73					42		15,484	3.35	519						
1413212 POOONQUE ILEX JRMSBY BUTCH....*		4	13	1-21	20	3.8	16,559	4.02	665	6	34	-41	+.10	+13	+9
10-05-61 1213164 4036271 5-73					23		16,936	3.77	639						
1413367 COCHRAN IVANHOE DUNCAN.....*		2	17	2-21,23	19	1.8	16,229	3.63	589	**	26	-27	.00	-1	-2
11-11-61 1189870 4169998 5-73					39		16,553	3.65	604						
1413372 SKOKIE MAGIC DUKE.....*		1	56	1-21	56	2.8	12,427	3.59	446	11	30	-81	-.01	-5	-7
11-23-51 1352968 4926120 5-73					28		12,516	3.67	459						
1413427 MIDLANE ADMIRAL MASTER.....*		2	15	1-35	17	3.7	15,610	3.92	612	0	29	+203	+.07	+18	+21
09-20-61 1214152 4181622 5-73					8		14,972	3.69	552						
1413551 KYLAND SIR SEGIS.....		7	24	3-35,52,	42	3.4	12,418	3.63	451	14	41	-391	+.02	-11	-21
05-18-60 1252613 4086142 5-73				71	25		13,257	3.58	475						
1413654 DIAMOND S SIR JOJO BVAR.....		1	30	1-93	30	2.8	17,023	3.65	622	12	28	+252	+.02	+12	+17
06-14-61 1240549 3734446 9-72					26		16,327	3.60	588						
1413744 CARNATION MAOCAR ROYAL PILOT..*		4	9	1-64	17	2.2	14,332	3.62	519	9	34	-180	+.05	0	-5
07-22-61 1175596 4821215 5-73					11		14,926	3.48	520						
1413745 HEITZEG PIOON PERFECTION.....		1	11	1-41	11	2.2	14,280	3.70	529	**	22	+210	-.02	+4	+10
11-16-51 1198696 4173836 5-73					3		13,220	3.87	512						
1413767 VINEDALE CITATION MIKE-TWIN...*		2	14	1-34	16	2.3	13,936	3.59	500	14	27	-439	+.04	-10	-22
01-12-51 1492073 D11095328 5-73					12		15,732	3.47	546						
1413861 HIGH MEDGE ADMIRAL.....*		10	17	5-23,33,	57	2.8	14,080	3.59	506	10	54	+84	-.04	-3	0
08-08-61 949094 4311531 5-73				35,64,74	34		13,873	3.69	512						
1413906 QUEEN BENEFACTOR IKE.....*		2	21	1-42	23	3.4	16,598	3.61	599	22	30	+225	.00	+8	+13
12-26-61 1199324 4857411 5-73					22		15,999	3.61	577						
1413913 VALLEY HAVEN BEAUTY SKYLINER..*		3	5	1-48	11	3.2	15,418	3.57	551	18	32	+95	-.02	0	+3
02-19-61 1244845 3709483 5-73					20		15,205	3.65	555						
1414049 OAKMULGEE WINTERTHUR ROAMER...		1	10	1-52	10	2.3	13,306	3.74	497	0	22	-272	+.04	-4	-12
06-13-51 1223304 3739219 5-73					6		14,550	3.57	520						
1414090 SHAWS O C T SCHOOLMASTER.....		4	5	1-57	14	1.6	14,132	3.64	515	22	33	-477	+.04	-11	-23
10-26-61 972500 4643683 5-73					24		15,704	3.53	555						
1414127 OON AUGUR C HOMESTEAD HI HONOR*		4	18	1-35	23	2.7	14,305	3.38	483	9	32	-604	-.09	-34	-46
05-04-61 1330167 4767302 5-73					10		16,430	3.66	601						
1414231 OON AUGUR TRUE TYPE MODEL.....*	35-75	1,309	4	45-21,23,	2,534	1.3	14,734	3.60	531	14	99	-488	.00	-18	-30
01-12-51 1305460 4051738 1-73				35,41,55	31		15,321	3.62	554						
1414251 WILLMIL IVANHOE BELLRINGER....*	23-11	548	6	15-11,13,	1,514	2.2	14,590	3.74	545	13	98	-287	+.05	-4	-12
10-05-61 1189870 4524795 9-72				22,23,51	24		14,938	3.70	553						
1414273 SLEEPY HOLLOW APEX.....	33-03	109	10	22-21,23,	215	1.3	15,533	3.71	577	13	83	-443	+.06	-8	-20
12-18-51 1252231 4211268 5-73				35,41,93	42		16,254	3.66	595						
1414275 WESTPORT RAVEN NEPTUNE.....*		2	8	1-93	10	3.4	16,788	3.76	631	14	20	-319	+.03	-7	-15
05-10-61 1330936 3918198 5-73					67		18,407	3.67	676						
1414280 WESTPORT LEADER POSCH.....		1	14	1-93	14	1.7	14,450	3.60	520	**	23	+67	.00	+3	+4
01-06-61 1289588 4524780 5-73					20		14,130	3.56	503						
1414369 SPRINGSIDE SNOW.....		2	11	1-87	14	1.5	12,571	3.17	399	44	25	-145	-.03	-9	-12
10-08-61 1353622 4303247 1-73					5		13,018	3.30	429						
1414434 PINEYHILL MEDALLION.....*		10	15	2-32,34	31	3.1	14,560	3.57	520	4	42	-222	-.01	-9	-14
09-24-60 1295523 4507237 5-73					9		15,165	3.60	546						
1414476 BEE WOOD REGENT FOBES PABST...*		5	3	2-23,51	10	2.6	14,308	3.56	510	10	33	+56	-.06	-6	-3
01-06-62 1253983 4684354 9-72					15		14,114	3.76	531						
1414485 EDGEWOOD HALL SKYLINER BURKE..*		6	6	3-81,87,	15	3.9	15,727	3.14	494	8	39	+202	-.13	-11	-3
02-06-61 1244845 3944179 5-73				93	17		15,306	3.43	525						
1414558 HILLSPRIDE COUNT.....*		2	17	1-93	21	2.1	13,646	3.55	484	7	28	-97	+.02	0	-3
11-01-61 1298164 4370037 5-73					27		13,947	3.46	483						
1414562 PARI MAGICIAN.....*		3	11	2-32,34	16	2.1	13,880	3.80	528	20	29	-289	+.05	-4	-12
07-30-61 1138451 4301503 5-73					11		14,925	3.68	549						
1414571 AGRO ACRES CLIMAX LAURIE.....*		8	4	1-23	14	2.9	14,362	3.63	522	27	40	-387	-.03	-18	-26
03-21-61 1382768 D11356143 5-73					22		15,451	3.73	577						
1414588 GRAY VIEW X SKY OSMAN-TWIN....*		4	24	2-35,85	38	3.1	13,356	4.01	535	21	37	-663	+.10	-10	-28
08-06-61 1378594 4204805 5-73					27		15,220	3.74	569						
1414604 BARRETT RANCH PRESIDENT.....*		3	33	3-12,13,	37	2.5	15,737	3.51	553	0	30	+53	-.03	-2	0
01-07-62 1370549 3090691 5-73				21	39		15,691	3.61	567						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF OAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... OAUS	REC/OAU	MILK HM/DAU	% HEROMATE	FAT MILK	% FAT	% LST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1414609 LAVACRES POLLY DIABLO.....*		1	14	1-93	14	2.7	17,935	3.76	675	**	26	+397	+.04	+20	+28
12-29-61 1382958 4605608 5-73					20		16,600	3.66	607						
1414611 LAVACRES SUPREME M PHELAN.....	52-01	249	4	7-52,54,	630	2.5	14,416	3.56	513	10	97	-30	-.02	-4	-4
12-15-61 1382768 3948870 1-73				55,92,93	28		14,454	3.58	518						
1414618 A CITATION SOVEREIGN.....*	23-13	401	6	14-23,51,	1,197	1.8	14,968	3.65	546	11	98	+353	-.03	+9	+18
12-10-61 1492073 5453892 5-73				52,54,63	29		14,630	3.68	539						
1414652 REFLECTION STARBRIGHT ROMAN...*		13	15	3-47,48,	44	2.0	11,918	3.78	450	23	48	-763	+.05	-21	-40
09-01-60 010262153 011377205 5-73				93	11		13,431	3.68	494						
1414813 M V 8 A U H TEN GWEN ROLLIE...	41-01	27	1	2-41,42	25	2.0	12,804	3.63	465	17	64	-605	+.02	-19	-34
03-22-61 1038509 4383051 5-73					10		13,687	3.61	494						
1414837 PLATTCO MASTER.....	93-16	34	11	4-82,86,	119	1.6	17,498	3.35	587	11	74	+206	-.17	-18	-9
09-01-61 1335460 4015394 5-73				91,93	106		17,536	3.55	623						
1415015 THJNYMA BURKE MOSE USEFUL.....	35-21	373	4	15-35,41,	588	1.3	14,709	3.73	548	13	96	-267	+.08	+2	-6
07-21-61 1196645 4913630 5-73				42,47,48	21		15,056	3.65	549						
1415059 ROEFLORA MAGIC KNOX.....*		4	6	2-22,33	16	2.8	13,248	3.78	501	17	40	-183	-.01	-8	-12
10-18-60 1138451 3289303 5-73					18		13,632	3.85	525						
1415089 BEACON A D M PRINCE.....*		3	26	1-21	30	3.8	18,198	3.78	688	4	33	+290	+.04	+17	+23
11-30-61 1148993 3830705 5-73					24		17,629	3.67	647						
1415090 KYLANO CASCADE AMY PREMIER....*		4	5	2-33,35	10	2.4	13,976	3.90	545	17	29	-208	+.08	+4	-3
09-28-61 1126392 3359684 5-73					23		14,732	3.62	534						
1415091 KYLANO VALIANT COUNT.....*	35-05	82	2	7-32,33,	108	2.1	13,753	3.72	512	18	86	-513	+.05	-11	-25
08-04-61 1265166 4251975 5-73				35,41,42	16		14,345	3.67	527						
1415095 RICHMAN R A JERRY.....*		6	12	3-21,31,	20	2.6	14,163	3.40	482	12	35	-86	-.04	-9	-10
11-21-61 1138441 5199477 5-73				61	21		14,412	3.52	508						
1415107 PIPER VIEW ROYAL MASTER.....*	35-04	47	2	12-21,23,	69	2.6	14,686	3.61	530	16	79	+4	-.02	-3	-2
08-25-61 1335460 4387584 5-73				34,35,41	18		14,713	3.65	537						
1415137 WA-KE IVANHOE MASTER.....*		4	14	3-23,42,	19	3.0	14,946	3.60	538	22	32	+13	.00	+1	+1
03-05-61 1189870 5244247 5-73				51	24		14,961	3.60	538						
1415324 WIS MASTER BUTTER BOY.....*		6	27	2-35,65	36	2.1	12,717	3.63	462	3	32	+104	-.02	+1	+4
10-17-61 1368257 3502409 5-73					26		12,171	3.71	452						
1415366 GOODMANOR HAMARET IVANHOE ADAM*		1	13	1-21	13	3.0	12,320	3.27	403	0	25	-200	-.01	-9	-13
11-20-61 1189870 5015912 5-73					31		12,975	3.34	434						
1415373 ALLENJR UNA PRIME.....*		5	3	1-23	11	2.5	12,938	3.49	452	0	36	+40	-.05	-6	-4
10-01-61 1308570 3921883 5-73					8		12,651	3.68	466						
1415405 LIME HOLLOW BURKGOV SENSATION.*	23-09	670	4	14-23,50,	1,441	1.8	15,014	3.62	544	11	98	+411	-.07	+4	+16
07-25-61 1038509 4021635 1-73				51,52,72	23		14,618	3.71	542						
1415424 VISTA GRANDE PIETERTJE CASHMAN		3	18	1-57	23	2.5	14,685	4.09	601	0	31	-212	+.15	+14	+5
09-09-60 1079658 4500723 5-73					9		15,475	3.61	559						
1415455 FREDELYN FARMS INKA REVELATION	35-75	43	2	14-35,55,	59	2.2	16,218	3.64	591	11	77	+675	+.05	+32	+47
04-14-61 1038509 4434520 5-73				82,87,93	47		15,452	3.58	553						
1415589 CRESCENT BEAUTY IVANHOE.....	33-03	10	1	6-23,33,	12	3.2	14,751	3.84	566	0	44	+22	+.05	+8	+7
04-01-61 1189870 3398005 5-73				46,51,73	22		14,735	3.74	551						
1415601 SEGIS KING PAUL.....		1	22	1-73	22	2.5	12,763	3.38	431	7	26	+61	-.02	0	+2
07-01-61 1302144 3356136 5-73					18		12,322	3.42	422						
1415627 STEVINSON IDEAL PRINCE.....		4	8	1-93	16	2.9	13,932	3.63	506	**	35	-364	+.04	-7	-17
07-06-61 1098656 4136824 5-73					42		15,025	3.52	529						
1415637 FOUR PINES BURKE SKYLINER.....*		5	18	2-33,35	25	2.6	14,075	3.91	550	4	33	-211	+.07	+2	-5
11-22-61 1244845 4505088 5-73					13		14,755	3.71	547						
1415639 BREEZEWOOD SENSATION.....*		1	37	1-92	37	2.1	15,062	3.63	546	5	27	+62	-.02	0	+2
08-14-61 1369992 3816059 5-73					23		14,884	3.71	552						
1415661 MITCHELL FARM IVANHOE.....*		7	44	2-16,21	72	2.3	14,322	4.07	583	13	39	+20	+.10	+15	+13
04-05-61 1189870 4104515 5-73					43		14,257	3.83	546						
1415737 COOPER HILL SKYWAR-TWIN.....*		11	1	3-14,21,	14	2.7	13,586	3.52	478	9	47	-296	-.01	-12	-19
11-25-61 1244845 3819579 5-73				22	17		14,199	3.56	505						
1415744 RETLAW IDEAL FANNIE WAYNE.....*		17	2	4-35,41,	22	2.9	13,799	3.67	507	0	59	-341	+.03	-8	-17
07-17-61 1342677 4533856 5-73				42,46	15		14,381	3.63	522						
1415745 FERNMIST IDEAL JOHANNA JOHN...*		2	6	1-41	12	2.3	14,199	3.49	495	18	31	-159	+.03	-2	-6
07-21-61 1342677 3530530 5-73					8		14,758	3.41	503						
1415774 STANVER ROSE REFLECTION.....*		4	20	3-13,16,	26	2.0	14,151	4.11	582	35	30	-376	+.10	0	-11
12-23-61 1298430 3591574 5-73				21	41		15,546	3.79	589						
1415806 DON AUGUR MOTHERMARTHAS PRIDE.*	35-75	1,297	4	46-21,23,	2,585	1.3	14,902	3.62	540	13	99	-601	+.02	-19	-34
08-12-61 1335460 3692153 1-73				35,41,55	34		15,634	3.61	565						
1415808 MEMORIAL-ACRES CAPTAIN OE KOL.		4	8	4-32,35,	13	2.8	14,093	3.47	489	8	30	-226	-.03	-13	-18
10-25-61 1144239 4684647 5-73				42,87	25		14,897	3.61	538						
1415822 SAVAGE-LEIGH BONHEUR SUNNYBANK*		8	3	1-51	15	2.3	13,724	3.68	505	**	43	-8	.00	0	0
10-10-61 1336435 3082561 5-73					15		13,673	3.68	503						
1415826 ROUND OAK IVANHOE CITATION....*		20	12	3-55,57,	45	2.7	13,371	3.53	472	9	55	-96	+.02	0	-3
09-13-61 1189870 3547221 5-73				58	22		13,454	3.49	469						
1415831 KAM-JA ROBURKE BENEFACTOR.....		1	140	1-93	140	2.5	18,679	3.73	696	3	30	+334	+.02	+15	+22
10-15-61 1199324 4750982 5-73					107		17,926	3.68	660						
1415906 SUNNYSLOPE IVANHOE HOME RUN...*		4	3	1-52	11	2.3	10,483	3.80	398	14	35	-821	+.03	-25	-45
09-02-61 1189870 3634400 5-73					20		12,657	3.69	467						
1416007 ALGOAS MAN-O-WAR.....*		5	24	1-43	31	3.0	12,337	3.50	432	22	33	-376	.00	-14	-23
03-26-61 1197929 3348556 5-73					23		13,372	3.53	472						
1416011 SMITHOLM SKYLINER.....*		28	13	5-21,22,	81	2.5	14,667	3.92	575	3	67	-114	+.15	+18	+11
08-12-61 1244845 4388820 5-73				23,55,57	23		14,889	3.71	552						
1416022 HICKORYVALE TRUSTEE TOBY.....*		4	8	1-51	16	3.3	12,877	3.61	465	0	36	-333	-.04	-17	-24
09-07-61 1246308 3255679 5-73					34		13,742	3.75	515						
1416113 UNH IVANHOE YEOMAN.....*		42	15	7-11,12,	120	3.1	16,097	3.55	572	11	74	+91	-.09	-10	-5
01-18-62 1189870 4088987 5-73				13,15,21	19		16,150	3.68	594						
1416150 LOCHLAWN SIR OLIVER.....		4	11	1-41	25	2.2	14,301	3.52	503	4	40	-178	-.05	-14	-17
02-14-61 1336320 4649705 5-73					15		14,792	3.66	542						
1416184 WAL-CO-FARM MASTER JOSIE.....*		6	11	2-35,52	19	3.2	13,409	3.83	514	6	36	-303	-.04	-16	-22
11-15-61 1335460 4625150 5-73					23		14,240	3.97	566						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES AND WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS	REC/DAU HM/DAU	HERDMATE MILK	%	FAT	%	1ST LNC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1416202 HOPE DRIVE TOWERLINE PUGET....		1	12	1-35	12	1.9	14,224	3.43	488	**	22	-265	.00	-10	-16
10-29-61 1214152 5118938 1-73					10		15,545	3.48	541						
1416224 WEAVERS INKA MAPLE SUSIE.....*	61-02	130	2	8-31,33,	208	2.4	14,367	3.49	502	11	92	+356	-.07	+3	+13
10-22-59 010218336 011245681 5-73				42,61,84	17		13,933	3.56	496						
1416227 IRVINGTON HANSEL.....	35-75	398	4	35-16,21,	612	1.2	14,941	3.55	531	17	96	-507	-.03	-23	-34
01-12-62 1288610 4471142 5-73				35,41,93	31		15,591	3.59	560						
1416286 SILLSDALE MARATHON MODEL.....*		20	19	7-13,14,	124	2.0	15,878	3.38	536	10	69	+433	-.11	0	+13
02-23-61 1148993 3669979 5-73				21,23,58	51		15,340	3.52	540						
1416294 JOLIAM HEILO TRADITION.....*		1	10	1-35	10	3.1	12,369	3.56	440	0	24	-266	.00	-9	-15
09-06-61 1305443 3449927 5-73					5		13,385	3.58	479						
1416342 YOKOHL ADMIRAL ADVANCE.....		3	12	1-93	19	1.4	17,435	3.41	594	**	29	+580	-.01	+19	+33
11-02-51 1214152 4371013 5-73					25		15,528	3.41	530						
1416375 ILLINIWEK BURKE G 8 BRUCE.....*		4	4	2-33,42	10	1.8	12,456	3.41	425	25	29	-46	-.05	-9	-9
12-29-61 1282185 3185850 5-73					12		12,422	3.65	453						
1416503 TYPLUS HARVEY IDEAL BURKE.....		1	37	1-42	37	2.7	11,333	3.62	410	14	29	-277	-.01	-12	-18
11-25-61 1312024 4312148 5-73					11		12,076	3.70	447						
1416573 CYNWYD PERFECTION DUKE.....	35-75	398	4	31-35,41,	667	1.4	14,813	3.59	532	11	97	-299	+.01	-9	-16
01-28-62 1280018 3891010 5-73				55,91,93	37		15,205	3.58	545						
1416648 BY-ROX ACE RAVEN.....*		3	7	2-14,21	10	3.4	18,560	3.78	701	33	27	+276	+.05	+18	+23
07-23-61 1351264 4549523 5-73					13		17,905	3.63	650						
1416669 SKOKIE FAMOUS GOVERNOR.....	35-75	177	11	32-23,31,	310	1.4	15,323	3.82	586	12	87	+56	+.15	+24	+21
01-17-62 1330987 3373360 1-73				35,41,58	22		15,355	3.67	563						
1416711 JO ROCKWOOD HIGHCROFT EMPEROR.*	41-25	295	4	10-35,41,	580	2.5	14,743	3.53	520	16	96	+74	-.12	-14	-9
08-06-57 010245971 4669893 5-73				42,45,47	17		14,697	3.65	537						
1416742 INGLIS TOPPER BURKGOV.....	52-01	52	2	1-52	66	3.0	14,746	3.61	532	7	81	+58	+.03	+7	+7
12-29-61 1038509 4580454 5-73					28		14,706	3.56	524						
1416743 FULTONWAY IVANHOE CORVETT.....*		22	3	4-16,21,	37	2.8	16,161	3.66	591	6	67	+450	+.03	+21	+31
08-21-61 1189870 4382863 5-73				22,23	39		15,613	3.61	564						
1416753 FORESTBOLD DESIGN CHRIS.....		1	13	1-35	13	3.5	12,314	3.61	445	**	26	-197	.00	-7	-12
05-24-61 1307158 3539451 1-73					15		12,947	3.63	470						
1416771 RIVERLEA IVANHOE.....*	72-01	40	30	7-11,21,	157	1.8	15,786	3.75	592	10	65	+229	+.17	+33	+34
01-13-62 1189870 3662623 5-73				23,72,86	31		15,546	3.49	543						
1416772 LAVACRES SOVEREIGN SUMMER.....		6	48	2-41,93	77	2.0	18,862	3.41	644	4	38	+650	-.05	+16	+33
01-15-62 1382958 3882799 5-73					41		17,473	3.50	612						
1416773 LAVACRES SOVEREIGN SUPER-TWIN.	93-17	4	85	2-55,93	110	2.6	16,783	3.68	617	21	36	-82	+.02	0	-2
01-15-62 1382958 3882799 5-73					138		17,306	3.65	631						
1416816 RETLAW INVINCIBLE FOHON.....		3	30	1-47	52	3.0	14,051	3.93	552	9	41	-138	+.06	+3	-2
09-13-61 1342677 4321371 5-73					31		14,390	3.80	547						
1416826 COLD S U PILOT STAR.....*		5	36	1-84	44	2.4	13,270	3.48	462	**	32	+2	-.01	-1	-1
10-17-61 1294305 3961962 5-73					91		13,140	3.51	461						
1416835 EHRS IVANHOE INKA.....*	91-11	5	12	1-47	40	2.3	15,809	3.63	574	13	50	+513	-.03	+14	+27
01-03-62 1189870 4140009 5-73					18		14,818	3.70	549						
1416871 MAYERS CAPITAINE BLACK DUKE...*		8	22	3-57,61,	38	1.8	13,247	3.57	473	17	36	-214	+.01	-6	-11
12-23-61 1394692 4725043 5-73				63	52		13,790	3.56	491						
1416897 CARNATION ROYAL HE-MAN.....	91-13	232	4	10-82,87,	493	1.9	16,138	3.60	581	10	96	+817	-.04	+23	+44
12-24-61 1305460 3854297 5-73				91,92,93	21		15,382	3.65	561						
1416903 CARNATION PROFILE NIFTY.....*		2	9	1-91	18	2.4	14,571	3.76	548	22	35	-630	+.06	-14	-31
12-23-61 1169417 4578009 5-73					23		16,578	3.61	599						
1417062 PRESTO BURKE LAD APPLE.....*		2	16	1-41	20	2.8	14,403	3.74	538	0	30	+375	+.04	+20	+28
12-24-60 1167510 3307704 5-73					11		12,997	3.57	464						
1417098 BETIJD ORMSBY JEREMY.....*		10	12	2-48,71	41	2.5	14,120	3.23	456	6	51	-31	-.05	-8	-7
10-06-61 1333535 3779073 5-73					23		14,159	3.31	469						
1417164 THREE-JS OLYOE ORMSBY.....*		1	86	1-34	86	1.9	15,372	3.23	496	22	28	+31	-.03	-3	-2
11-22-61 1127694 4876411 5-73					10		15,357	3.31	509						
1417170 TABUR ROCKET REVILLE.....	93-03	4	16	1-93	44	2.0	18,462	3.33	614	11	46	+619	-.15	0	+19
12-04-61 1285716 3964365 1-73					167		17,420	3.58	624						
1417171 TABUR REFLECTION PALO.....	93-03	10	10	3-32,86,	45	2.3	16,284	3.48	566	8	56	+191	-.08	-5	+2
12-06-61 010248207 4804056 5-73				93	132		16,117	3.62	583						
1417192 EASIDE OEAN MASTERPIECE.....	35-75	186	3	28-21,23,	298	1.2	15,890	3.56	566	12	93	+436	-.02	+13	+24
11-02-61 1265220 3972960 5-73				41,55,93	41		15,533	3.58	556						
1417290 RINCON VAR SKYVIEW LAD.....*	33-03	41	25	19-23,32,	105	1.6	17,136	3.59	616	7	57	+162	+.06	+14	+16
10-19-61 1244845 4754843 5-73				35,41,93	39		17,124	3.50	599						
1417209 PENNY BENEFACTOR ISAAC.....		2	66	1-42	70	2.9	10,961	3.93	431	0	32	-332	+.04	-6	-15
01-16-62 1199324 3662981 5-73					7		11,747	3.81	447						
1417341 MILLERS DEANNA BEAUTY COMBINE.*		5	10	2-33,35	19	1.7	12,385	3.66	453	**	33	-302	+.01	-10	-17
09-09-61 1188731 3743625 5-73					23		13,199	3.65	482						
1417360 HOWVALE FOREMOST COMET.....	35-21	63	2	5-13,14,	80	2.3	14,598	3.56	519	12	83	-7	-.08	-12	-10
01-24-62 1170426 3961525 5-73				35,41,52	15		14,631	3.66	536						
1417381 BEL VESTA STAR LEADER.....*		4	5	3-23,47,	14	1.3	12,370	3.58	443	63	32	-226	.00	-8	-13
03-21-60 1150470 3751303 5-73				73	12		12,932	3.59	464						
1417390 PACLAMAR IVANHOE BLACK EAGLE..*	33-03	1,361	4	45-21,23,	2,628	1.1	14,305	3.64	520	15	99	-829	+.02	-27	-47
02-01-62 1189870 4494503 9-72				31,33,35	26		15,227	3.63	552						
1417403 MAPLEVAL SKY WALKER.....*		6	16	4-16,22,	26	3.1	15,503	3.70	574	17	36	-8	-.03	-5	-4
10-11-61 1244845 4115989 5-73				23,51	31		15,655	3.81	597						
1417418 LEARN FARMS DESIGN LEADER.....*		8	4	2-32,34	17	1.4	11,263	3.67	413	**	41	-631	+.03	-18	-34
01-02-62 1298378 4769585 5-73					15		12,649	3.59	454						
1417431 RANGELOT CRESCENT OEVAR.....*		2	26	1-33	28	3.7	14,262	3.55	507	14	31	+252	-.01	+8	+14
04-26-61 1174329 4535556 5-73					10		13,340	3.58	477						
1417469 GEHL-ACRES WALTER.....*		3	8	1-35	11	2.9	12,803	3.79	485	**	28	+79	+.03	+7	+8
10-06-61 1376402 4800718 5-73					30		12,310	3.70	455						
1417487 CHEROKEE SIR SEARS.....	35-21	46	1	5-35,41,	48	1.8	15,053	3.49	525	12	74	+393	-.11	-2	+10
10-08-61 1385978 4111759 5-73				42,43,47	17		14,548	3.64	530						
1417488 BIRDLAWN IVANHOE ROBIN.....*		8	2	3-35,55,	12	2.8	15,240	3.54	539	9	43	+469	-.02	+14	+26
10-27-61 1189870 4314555 5-73				72	14		14,134	3.57	505						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS HM/DAU	REC/DAU HEROMATE	MILK MILK	% %	FAT FAT	IST REPT INC	%	PREDICTED DIFFERENCES MILK	%	FAT	$$
1417509 KIMVALE SEARS ARISTOCRAT LAD..	21-10	69	1	7-11,12,	78	2.4	15,107	3.49	527	16	83	+38	-.06	-7	-5
C8-30-61 1085978 4539918 5-73				13,14,21	24		15,136	3.56	539						
1417540 TIMO NOEL MARGOT LAD.....		1	10	1-84	10	1.1	12,085	3.50	423	**	18	-134	.00	-5	-8
09-12-61 1315498 3909767 5-73					9		12,650	3.56	450						
1417544 STANWELL CHARIOTEER IVAN.....*		3	31	2-12,14	37	2.9	13,431	3.99	536	11	32	-264	+.11	+5	-3
01-14-62 1189870 4696461 5-73					35		14,243	3.63	517						
1417561 PIEBE ORLEANS DJNLOGGIN TIOY..		1	25	1-52	25	1.8	13,170	3.54	466	**	25	-117	.00	-4	-7
01-28-62 1189679 4063944 5-73					4		13,556	3.57	484						
1417621 ELMER LOVERS LANE CRUSADER....		1	29	1-32	29	4.4	14,531	3.98	579	15	29	+9	.00	0	0
01-23-59 1179373 4409156 1-73					32		14,512	4.03	585						
1417652 MOWRY MAGICIAN.....*		5	17	1-23	27	2.9	17,008	3.49	593	20	36	-55	-.03	-6	-7
C9-20-61 1138451 4790509 5-73					42		17,472	3.56	622						
1417684 SEQUOIA BRILLIANT STAR.....*		3	15	1-93	19	2.4	16,635	3.81	634	29	28	-261	+.04	-4	-11
10-21-61 1274923 4440455 1-73					98		17,922	3.71	665						
1417686 PLEASANTLAND MAGICIAN.....*		11	15	1-33	36	3.1	15,035	3.82	575	8	46	-297	+.05	-4	-12
10-17-61 1138451 2922710 5-73					12		15,834	3.75	594						
1417703 KING MARVEL ORMSBY PIEBE.....*		11	5	3-35,43,	19	3.0	14,528	3.61	524	14	47	+144	-.06	-3	+2
C8-05-60 1254910 4606545 5-73				47	16		14,200	3.75	533						
1417747 MAPLE TRIELM TEXAL.....*	21-10	413	3	9-11,13,	735	2.6	14,921	3.62	540	13	97	-283	+.05	-3	-11
C4-24-61 010218036 010921115 1-73				14,16,21	23		15,304	3.57	547						
1417748 NAPSTAHOS PAT BARON OE KOL....*		4	4	2-21,93	10	1.9	15,126	3.74	565	25	29	-412	+.06	-7	-16
10-16-61 1268107 4393155 5-73					77		15,770	3.58	601						
1417763 COOL LAWN GENERAL JOE.....*		2	12	1-51	14	2.9	14,035	3.83	537	15	27	-87	-.01	-5	-7
01-02-62 1189870 3532740 5-73					25		14,361	3.91	562						
1417769 CARNATION ROYAL SENSATION.....*		13	4	2-41,47	31	1.9	13,867	3.52	480	16	57	-432	-.07	-25	-34
10-30-61 1305460 4610722 5-73					19		13,770	3.67	505						
1417791 SUNTOP ROYAL MAXIE.....*		1	25	1-91	25	2.8	13,958	3.56	497	0	28	-211	+.02	-5	-10
01-07-62 1349680 3996933 5-73					13		14,759	3.52	520						
1417875 LARKFIELD PEARL CHAMP.....*		8	9	1-32	25	3.2	13,453	3.47	467	13	46	-333	-.04	-18	-25
01-18-62 1359770 3313774 5-73					13		14,162	3.59	508						
1418023 FORESTBOLD SKYBOY.....*		10	59	4-23,35,	87	2.5	14,494	3.48	504	10	38	+85	-.04	-3	0
C4-18-61 1244845 3699373 5-73				51,57	31		14,258	3.61	515						
1418031 VISTA GRANDE GOLD STAR AOMIRAL*		8	10	1-23	21	3.7	14,664	3.79	556	5	40	-76	+.04	+3	0
11-18-61 1170716 4762765 5-73					16		14,909	3.71	553						
1418050 TAYLAKER IVANHOE AMERICA.....	91-11	23	50	4-42,86,	232	1.8	17,989	3.50	630	11	63	+319	+.03	+15	+23
01-07-62 1189870 3759103 5-73				92,93	239		17,826	3.44	614						
1418150 GLEN BURN IVANHOE CAVALIER....*		3	8	2-12,14	11	2.1	16,253	3.75	610	18	27	+186	+.05	+14	+17
10-01-61 1189870 4583421 5-73					20		15,686	3.58	562						
1418162 MACKSIMUM FONO LADYSMAN.....*		3	40	1-48	59	2.4	17,563	3.59	631	21	37	-125	+.03	0	-4
02-04-62 1243697 4257096 5-73					40		18,296	3.53	645						
1418163 NO-NA-ME ELMCROFT MERIT.....		4	21	1-73	55	2.0	17,021	3.52	599	21	47	+356	-.01	+11	+20
01-03-62 1157778 4418378 5-73					18		16,467	3.53	582						
1418173 ARLINOA A B C CHRISTMAS.....		1	50	1-93	50	2.6	17,209	3.46	595	**	30	+99	-.02	0	+3
12-24-61 1276654 4022409 5-73					51		17,155	3.54	608						
1418174 ARLINOA MONTY SUPERB.....		4	11	1-93	22	2.2	17,415	3.46	602	11	36	-66	+.01	-1	-3
01-03-62 1384372 4997562 5-73					47		17,958	3.44	617						
1418219 H T TRIXIE SOFIA KING.....*		2	7	1-41	12	2.6	13,236	3.91	517	13	30	-75	+.02	0	-2
08-29-61 1373867 5037622 1-73					17		13,388	3.88	519						
1418243 IMHI OEAN AOA.....	35-21	26	2	4-35,41,	33	2.1	13,838	3.53	489	30	66	-150	-.05	-13	-15
02-17-62 1085978 5120121 5-73				42,47	21		14,031	3.63	509						
1418261 VAN B OAHLIA ECHO SIR CAPTAIN.*		4	5	3-41,51,	13	2.9	13,621	3.70	504	27	36	-250	-.04	-14	-19
02-11-61 115134-9 3235269 5-73				54	38		14,307	3.82	547						
1418263 ROYVIN IVANHOE CONQUEST.....*		5	23	2-41,46	30	2.9	15,432	3.64	563	11	34	-52	+.03	+3	+1
11-15-61 1189870 4891701 5-73					16		15,722	3.75	590						
1418264 ROYVIN BURKDOV AOMIRAL.....	41-01	280	2	9-41,42,	410	1.5	14,852	3.53	525	13	95	+261	-.05	+1	+9
C9-20-61 1038509 4696785 5-73				45,82,87	20		14,598	3.60	525						
1418269 GLEN-OODIE ROCKET LE ACE.....		2	16	1-41	18	2.1	14,230	3.39	482	35	25	-23	-.03	-5	-5
12-02-61 1372018 4031614 5-73					5		14,318	3.53	506						
1418350 KASHOME IOEAL BURKE TIOY.....*		4	18	2-41,47	23	3.2	13,609	3.69	530	15	33	-30	+.06	+8	+6
C1-05-62 1343899 3874303 5-73					16		13,628	3.69	503						
1418353 PROVIN MTN IVANHOE.....*	35-21	179	7	10-35,41,	268	1.5	15,978	3.68	588	12	89	+731	.00	+26	+43
01-27-62 1189870 3993901 5-73				42,43,47	17		15,239	3.69	563						
1418374 SIMPSON FARM TIOY GENT.....*	23-13	1,416	12	26-21,22,	7,147	1.4	15,159	3.74	567	12	99	-202	+.05	0	-6
09-19-61 1300014 4625057 5-73				23,52,93	24		15,471	3.70	573						
1418405 MISTYVALE RAJAH.....*		13	1	3-21,22,	15	2.6	14,907	3.78	563	7	49	+204	+.05	+14	+18
03-03-61 1286036 4115571 5-73				23	19		14,498	3.70	537						
1418406 MISTYVALE FERNANDO.....*		2	23	1-50	25	2.3	15,890	3.69	586	13	28	-81	+.03	+1	-2
09-03-61 1237057 4592881 5-73					11		16,385	3.59	589						
1418420 KUEHLCREST TRANSMITTER JERRY..*		4	10	1-42	21	3.7	13,407	3.54	474	6	41	+375	-.02	+11	+20
09-27-61 1339976 3985237 5-73					42		12,280	3.57	439						
1418456 HEUERS OANOY OUKE.....*		1	33	1-41	33	2.8	13,008	3.53	459	8	28	+27	-.04	-5	-3
03-31-62 1341633 4197667 5-73					7		12,747	3.73	475						
1418519 VISTA GRANDE AOMIRAL OUKE.....*		3	16	2-23,33	20	3.2	13,516	3.45	466	0	31	+65	-.06	-6	-3
11-02-61 1170716 3943008 5-73					32		13,181	3.68	485						
1418521 GREENWOOD FOLLOW ON OUKE.....*		9	15	1-23	39	3.5	13,993	4.02	563	3	49	+1	+.13	+19	+16
10-11-61 1316590 3260344 5-73					22		13,947	3.76	525						
1418557 LONE RANCH ELSIE LEADER KATE..*		7	14	1-21	24	2.4	15,899	3.53	561	20	36	-105	+.03	+1	-2
C8-16-61 1150470 3311904 5-73					26		16,395	3.44	564						
1418584 PATTON CHAL C JUANRO.....*		7	3	3-84,91,	13	1.9	15,608	3.81	594	**	38	-519	+.13	-1	-17
C1-07-62 1357310 4279096 5-73				93	33		17,251	3.52	607						
1418604 TIOY BURKE RENVILLE.....*		11	15	7-21,41,	55	2.2	15,181	3.53	536	17	53	+78	-.02	0	+2
04-12-61 1329249 4414066 5-73				43,46,48	47		15,107	3.56	538						
1418738 REFLECTION CITATION MAPLE.....*		16	15	5-43,47,	47	2.9	14,738	3.49	514	6	52	+26	-.01	0	+1
03-25-61 1492073 011134100 5-73				48,74,86	46		14,721	3.51	516						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	DAUS	REC/DAU HM/DAU	MILK HERDMATE	% MILK	FAT %	FAT	1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1418759 COLRIDGE ROBES 4I HOPE.....		4	6	1-84	16	2.1	14,006	3.46	485	**	35	-147	+.04	0	-4
C7-04-61 1353175 4933830 5-73					38		14,429	3.35	484							
1418772 REDFIELD MASTERPIECE CREATION.*		1	21	1-46	21	3.2	16,002	3.49	559	5	28	+404	-.04	+9	+20
C3-11-62 1280015 3784440 5-73					19		14,580	3.63	529						
1418784 PINEHURST BONNY SYMBOL.....*		4	29	1-35	35	3.0	15,332	3.42	524	3	33	+451	-.06	+8	+20
12-09-61 1244845 3499841 5-73					20		13,896	3.57	496						
1418795 GRAY VIEW X PREVIEWER.....*		6	41	1-41	73	3.0	15,109	3.90	589	11	43	+104	+.12	+21	+20
C9-30-61 1378594 4680791 5-73					16		14,920	3.64	543						
1418796 GRAY VIEW X CLASSIC.....*		35	23	5-13,16,	119	2.8	14,486	3.71	537	9	66	-579	+.09	-9	-25
10-02-61 1378594 4680792 9-72				21,23,72	19		15,473	3.59	556						
1418840 ELKENDALE CAPTAIN ABEL.....*		2	11	1-21	13	3.3	15,305	3.61	552	8	27	+70	.00	+2	+4
11-09-61 1144239 3225453 5-73					36		15,116	3.63	548						
1418862 MAVIEW PILOT PIONEER.....		1	41	1-11	41	3.9	14,038	3.70	520	0	32	+52	-.01	+1	+2
11-06-61 1354243 3804336 5-73					13		13,817	3.73	516						
1418863 MAVIEW PILOT LESEYLA.....*		8	11	4-11,12,	22	2.3	16,394	3.65	599	20	37	+166	-.04	0	+5
11-17-61 1246708 4465152 5-73				13,52	18		16,122	3.77	608						
1418864 MAVIEW IRVING FOREMOST.....*		7	39	2-11,81	61	3.0	12,918	3.55	459	6	40	-192	.00	-7	-12
12-02-61 1373411 4911213 5-73					32		13,293	3.58	476						
1418894 RUDESTER VEEMAN RAINBOW.....*		7	2	2-91,92	12	1.8	15,983	3.48	556	33	38	+72	-.02	-1	+1
10-01-61 1251271 4026446 5-73					9		15,949	3.55	566						
1418916 CULVER GOMAR LAD PRINCE.....*		3	7	2-33,63	10	2.4	13,064	3.36	442	**	27	-227	-.02	-11	-16
C2-23-62 1297090 3757131 1-73					326		13,848	3.49	483						
1418927 POSCH SHANGHIGH IVANHOE.....*	31-02	375	8	24-21,31,	1,041	1.6	15,157	3.65	553	10	97	+326	+.02	+15	+22
C3-11-62 1189870 3564646 9-72				43,55,56	23		14,868	3.63	540						
1418953 MAYERS DUKE AIM.....*	35-04	80	3	16-21,23,	140	2.6	12,987	3.72	483	21	88	-1,201	+.06	-36	-66
C4-01-61 1293580 3448324 5-73				34,35,41	19		14,342	3.66	525						
1418954 MAYERS DUKE PROFILE.....		2	59	1-85	79	2.9	14,915	3.41	508	14	37	-112	-.01	-5	-7
C7-18-61 1293580 3818538 5-73					310		15,317	3.43	525						
1418959 MAYERS DUKE HARVESTER.....		2	18	2-33,85	20	1.3	16,832	3.78	636	**	24	+312	+.02	+14	+21
C1-17-62 1293580 3981609 5-73					17		15,646	3.72	582						
1419065 VIGO GALAXIE.....*	35-21	513	3	20-35,41,	914	1.4	14,536	3.52	512	18	98	-534	-.15	-40	-49
10-16-61 1189870 4757614 1-73				42,43,47	17		15,152	3.68	558						
1419023 VALLA VISTA LYDIA GREAT.....		1	16	1-47	16	2.4	10,591	3.85	408	**	25	-158	+.03	-2	-6
12-28-61 1243399 4783258 5-73					3		10,886	3.78	411						
1419087 SANDHURST NEPTUNE JASON.....	35-75	160	1	21-35,41,	195	1.3	15,481	3.72	576	12	91	+86	+.11	+19	+18
C3-11-62 1215995 3692539 5-73				55,91,93	31		15,497	3.61	559						
1419112 TRASKDALE SENATOR SKYLINER....*		4	12	2-16,21	17	1.7	13,705	3.48	477	**	29	-490	+.02	-15	-27
11-12-61 1244845 4470442 5-73					13		15,535	3.43	533						
1419215 ROBURKE JOAT ADMIRAL.....		6	12	2-31,42	33	2.8	14,142	3.73	528	13	46	-232	+.02	-6	-12
C3-24-62 1343979 4524435 5-73					15		14,678	3.72	546						
1419235 ASJ LEOPOLD SADIE IVANHOE.....*		2	40	1-86	42	2.3	15,683	3.62	567	28	29	-146	+.04	+1	-4
12-20-61 1189870 4635489 5-73					51		16,393	3.47	569						
1419265 LOCHLAWN FIELD MARSHAL.....	41-25	91	2	6-35,41,	132	2.8	14,675	3.64	534	14	88	+135	-.03	0	+4
10-24-61 1243697 4649706 5-73				42,45,46	14		14,537	3.69	536						
1419295 WISOF KING FALIERI.....*		4	9	3-35,63,	17	2.9	14,826	3.63	538	6	35	+312	-.05	+4	+13
11-29-61 1234490 3382624 5-73				74	41		13,885	3.79	526						
1419306 WISOF BLACKIE FEDERICI.....*		4	11	3-35,43,	18	2.8	12,483	4.11	513	14	33	-374	+.08	-2	-13
12-30-61 1317558 4291710 5-73				74	39		13,529	3.87	523						
1419354 LEA INN BUTTER BOY OLLIE.....		1	12	1-42	12	3.6	9,424	3.74	352	**	26	-167	+.01	-6	-11
C7-19-61 1373030 4361858 1-73					22		9,681	3.77	365						
1419376 ROSE-E-VUE IVANHOE GLENN.....	35-03	161	10	12-23,32,	490	1.5	15,709	3.85	605	12	92	+461	+.12	+34	+42
12-29-61 1159870 4670676 5-73				35,73,74	16		15,300	3.75	574						
1419526 STOWELL FARMS LOUGO BUTCH.....*	21-10	873	3	11-11,13,	1,451	1.2	16,345	3.60	589	14	98	+610	+.05	+30	+43
C7-29-61 1038509 2903874 1-73				14,15,21	28		15,873	3.55	563						
1419537 KNOLLTOP SENSATION EBEN.....		1	18	1-34	18	2.8	15,503	3.89	603	17	26	+95	+.05	+11	+12
10-05-61 1358101 4527648 5-73					6		15,219	3.71	564						
1419560 GENE ACRES SUPREME LAD.....*		2	15	1-35	17	3.9	15,233	3.60	549	0	30	+88	-.01	+2	+4
02-01-62 1382768 4709221 5-73					13		15,003	3.64	546						
1419567 B H BURKDOV MAT IRVIN.....*	55-01	11	8	1-55	57	1.9	17,343	3.49	605	13	62	+289	-.10	-4	+5
11-26-61 1038509 3817272 5-73					41		17,156	3.64	624						
1419570 SWAMPY HOLLOW LUCIFER CRUSADER*	35-05	92	2	6-33,35,	140	2.1	14,335	3.62	519	13	89	-269	-.06	-18	-23
C1-26-62 1014925 3890656 5-73				41,42,47	17		14,668	3.70	543						
1419599 GOULDHOLM EDUCATOR OZZIE.....*		1	19	1-21	19	4.1	12,509	3.90	488	16	28	-474	+.04	-11	-23
12-06-61 1385562 4861645 5-73					20		14,197	3.74	531						
1419618 PAT BROWNDALE PERSEUS.....*		1	20	1-86	20	2.5	17,072	3.46	590	6	26	+191	-.02	+4	+9
10-22-61 D10260599 D11332250 5-73					62		16,551	3.50	579						
1419629 GRAY VIEW X SKYLANDER.....*	33-03	316	2	37-21,23,	446	1.9	14,340	3.58	513	14	96	-416	-.03	-19	-28
C7-26-61 1378594 3677659 1-73				35,41,93	22		14,817	3.62	536						
1419631 GRAY VIEW X DOUBLE CRIS.....*	35-05	64	2	5-33,35,	91	2.5	13,444	3.68	495	16	85	-666	+.04	-19	-36
C9-20-61 1378594 4216792 5-73				41,42,74	22		14,215	3.64	518						
1419562 TIERNEY ARISTOCRAT BEV CHURCHY*		3	46	1-52	52	1.9	14,959	3.61	540	13	29	-22	+.01	0	-1
C7-29-61 1124780 4596776 5-73					58		15,111	3.59	542						
1419722 GUY EDGEWOOD ROBARDN.....*		6	26	1-41	35	3.5	15,918	3.62	577	11	36	+182	+.01	+8	+12
G1-24-62 0102531S4 5342447 5-73					13		15,522	3.59	558						
1419755 TIDY BURKE BONUS.....*		16	18	8-33,43,	75	1.9	15,948	3.47	553	20	57	+596	-.06	+12	+28
C7-06-61 1329249 2948519 5-73				47,48,74	52		14,963	3.57	534						
1419851 HOOSIER LUCKY STRIKE.....		2	31	1-32	62	2.5	14,760	3.69	544	22	43	+244	.00	+9	+15
11-23-61 1352410 4629058 5-73					18		14,170	3.70	524						
1419866 TUM-A-LUM IVANHOE DIAMOND.....*		16	2	3-16,21,	20	2.6	14,559	3.58	521	0	54	-338	-.01	-13	-21
C5-22-61 1189870 4258375 5-73				23	20		15,285	3.59	549						
1419900 BARTELS OMRE LAD.....*		5	8	3-41,86,	19	2.7	14,519	3.70	537	**	38	-330	+.11	+3	-8
C9-20-61 1242338 4055736 5-73				93	71		15,493	3.41	529						
1419936 VIGO IVANHOE LEADER.....	63-02	20	11	4-23,35,	81	1.9	14,474	3.68	532	11	68	+21	+.04	+6	+6
C8-12-61 1189870 4876597 5-73				58,63	19		14,449	3.63	524						

REGISTRATION NUMBER / NAME / OF / BULL	STUD CODE	NUMBER OF HEROS	EFF OAU /HD	STATES NO- WITH MOST OAUS	... DAUGHTERS AND HEROMATES ... OAUS HM/OAU	REC/OAU HEROMATE	MILK MILK	% %	FAT FAT	% INC	1ST %	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1419999 PRINCE POSCH MARLOALE CHEVRON.*		8	20	1-34	37	1.7	12,584	3.75	472	19	37		-656	+.01	-22	-38
12-02-61 010254913 010872850 5-73					25		14,372	3.74	537							
1420010 FORT KLOCK GARGANTUA.....*		2	16	1-21	18	2.6	11,504	3.27	376	8	28		-502	-.06	-26	-37
01-07-62 1250992 4319090 5-73					15		13,214	3.56	470							
1420015 POLYTECHNIC MASTER BOND.....*	93-19	227	6	29-35,41,	435	1.5	15,744	3.46	545	14	94		+57	-.15	-19	-14
12-27-61 1305460 4375950 5-73				42,46,93	39		15,626	3.61	572							
1420020 GLENVUE TEMPEST.....*		54	4	11-13,21,	117	2.3	14,252	3.59	512	16	84		-774	-.04	-34	-51
12-11-61 010198998 010867749 5-73				23,35,93	26		15,261	3.66	558							
1420032 MACHOLO SEGIS SKYLINER.....*		1	30	1-21	30	3.0	12,617	3.52	444	0	29		-75	.00	-2	-4
01-27-62 1244845 4010692 5-73					29		12,737	3.51	446							
1420059 HENRYHOME N S B AOMIRAL FOBES.*		4	6	2-13,21	12	1.3	12,369	3.53	437	**	27		-385	+.01	-13	-22
12-11-51 1210078 4151484 1-73					13		13,737	3.54	486							
1420110 AOVANCE LEADER.....*		2	6	1-46	10	2.7	15,358	3.27	502	0	29		-267	+.02	-7	-14
11-16-60 1298858 4773021 5-73					15		16,497	3.21	530							
1420114 SPRINGWATER PRINCE COMET.....*		1	14	1-21	14	2.1	14,836	3.45	512	**	24		+26	-.02	-2	-1
12-19-61 1252934 4042803 5-73					14		14,767	3.54	523							
1420165 HOLIOAY LOCKSMITH-TWIN.....		1	27	1-82	27	4.2	13,549	3.68	498	4	30		-455	.00	-17	-28
03-12-62 1144239 2851976 5-73					57		15,122	3.70	560							
1420278 AJRF LAODIE WAYNE WILLIE.....*	31-02	11	13	5-31,56,	52	1.7	16,220	3.88	629	15	52		+86	+.11	+19	+18
12-11-61 1330936 3189129 5-73				64,84,93	112		16,238	3.70	600							
1420311 CRISTOL ACRES AOMIRAL GINGER..		1	46	1-41	46	2.1	16,254	3.51	571	15	28		+64	-.03	-2	0
02-26-61 1297178 4970052 5-73					5		16,205	3.62	587							
1420323 OELLINGER B C SUCCESSOR.....*		5	7	2-32,57	16	3.4	11,317	3.65	413	0	38		-888	+.03	-28	-50
05-12-50 1295341 3958737 5-73					28		13,589	3.58	486							
1420347 LAUREL HILL EBONITE JOHN.....*		1	27	1-23	27	2.5	15,598	3.64	568	0	27		+361	-.07	+3	+13
11-20-60 1189870 4045677 5-73					14		14,237	3.93	559							
1420386 BEDNARSKIS OUNLOGGIN AOMIRAL..		1	13	1-23	13	2.5	14,493	3.60	522	20	24		-28	+.01	0	-1
01-25-62 1210078 3669446 5-73					15		14,640	3.61	529							
1420394 EARLEOALE ROYAL BOLO MASTER...*		5	9	2-11,91	21	2.3	18,196	3.59	654	0	38		+970	-.03	+30	+54
12-03-61 1305460 4291449 5-73					41		15,805	3.68	581							
1420414 GLENAFTON RAG APPLE VITALITY..*	35-03	320	10	25-34,35,	1,024	2.3	14,756	3.66	540	15	97		-235	-.03	-13	-18
05-31-61 1243697 011248434 5-73				52,63,85	23		15,079	3.71	559							
1420431 FINKE WINTERTHUR BURKE.....		3	43	1-32	47	2.6	13,703	3.50	480	30	30		-17	-.01	-2	-2
10-18-61 1379883 5069814 5-73					7		13,694	3.56	487							
1420436 GRAYSLAKE MAJESTY ROCKET.....*		1	20	1-43	20	2.7	13,722	3.71	509	42	26		-240	+.04	-3	-10
09-08-61 1293580 4915401 5-73					23		14,686	3.59	527							
1420487 RUGUA IVANHOE FOBES.....*	33-03	256	4	37-21,23,	431	1.2	15,011	3.69	554	11	94		-349	+.04	-7	-16
11-20-61 1189870 4278288 1-73				33,35,93	29		15,494	3.66	567							
1420518 ALDERHURST X X LUCIFER BEAU...*		3	54	3-32,33,	58	3.0	11,995	3.76	451	12	32		-735	+.03	-22	-40
09-03-61 1372250 4594950 5-73				34	10		14,309	3.66	523							
1420543 EGGINK TRITOMIA WALTSONS A P..*		1	10	1-42	10	2.4	13,455	3.11	418	13	23		+25	-.05	-6	-4
12-20-61 1340484 4508920 5-73					5		13,227	3.35	443							
1420553 HOOBIRK MAJESTY REX.....*		3	11	1-32	15	4.1	17,217	3.71	638	7	31		+309	-.02	+8	+16
06-26-61 1384916 4094455 5-73					11		16,433	3.79	622							
1420617 HOMESTEAD SEGIS SKY KING.....*		5	3	2-50,51	10	1.2	16,799	3.71	623	0	28		+290	+.02	+14	+20
11-25-61 1324354 4639504 5-73					22		15,932	3.65	581							
1420657 BURKE B F TRIUNE IMPERIAL.....*		3	108	1-86	116	2.2	16,998	3.39	577	25	31		+188	-.03	+2	+7
10-17-61 1326679 3587878 5-73					124		16,610	3.46	575							
1420664 KEYSTONE BEN HUR.....	21-10	422	3	10-11,13,	630	1.9	15,330	3.52	540	14	97		+120	-.11	-12	-6
04-05-62 1199324 2887329 5-73				14,16,21	23		15,296	3.64	557							
1420674 SUNNY CRAFT OEAN CAPTAIN.....*		4	10	3-14,22,	15	2.8	15,141	3.65	553	0	32		-106	-.02	-7	-9
12-13-61 1144239 3020902 5-73				23	14		15,601	3.74	584							
1420676 WAUPUN WISTOO MASTER BURKE....*		6	12	3-35,65,	36	2.1	13,437	3.64	489	6	46		+438	-.07	+6	+18
02-18-62 1353380 4499676 5-73				72	30		12,278	3.84	471							
1420736 JON-OE IVAN.....*		6	29	1-35	40	3.3	14,988	3.77	565	0	36		-189	-.01	-8	-12
08-26-61 1189870 4013709 5-73					19		15,643	3.82	598							
1420742 RAG APPLE PAUL MASTER.....*		6	3	1-42	11	2.6	15,997	3.71	594	0	36		+7	+.06	+9	+8
09-11-61 1322069 4235504 5-73					10		16,155	3.56	575							
1420828 PACLAMAR SENATOR GREAT-TWIN...*		3	35	1-84	41	2.4	14,550	3.62	527	6	31		-326	-.04	-17	-24
04-07-62 1252985 4497714 5-73					15		15,740	3.75	591							
1420857 NACHES ROYAL OUKE.....*		5	36	1-87	47	2.3	14,320	3.53	505	23	34		-147	-.03	-9	-12
10-22-61 1359798 3559199 5-73					21		14,803	3.62	536							
1420906 OORRFARMS OUKE POLKAOOT.....*		4	42	1-21	48	2.7	13,553	3.84	521	7	32		+30	+.05	+9	+8
03-23-62 1180488 3578028 5-73					29		13,355	3.67	490							
1420954 TARA HILLS FOND MAGICIAN.....*		5	14	1-21	34	2.7	14,086	3.58	504	17	45		-218	+.03	-4	-10
01-11-62 1138451 5102623 5-73					32		14,594	3.52	514							
1421015 IONIA TOBSBOY POSCH.....*		1	14	1-34	14	2.5	15,126	3.79	573	**	25		+56	+.03	+6	+7
12-02-61 1325240 3299988 5-73					17		14,953	3.68	551							
1421089 GREGORIE NECK MARK ORMSBY.....*		5	50	1-56	61	2.9	15,534	3.64	566	3	35		+280	-.01	+9	+16
02-06-62 1152188 4560017 5-73					50		14,761	3.67	541							
1421122 TIMBERRIDGE SUPREME.....		2	10	1-52	19	3.0	12,548	3.55	446	**	37		-369	.00	-14	-23
02-13-62 1353255 4602919 5-73					10		13,453	3.58	482							
1421151 RINCON ATHLONE FOBES.....*		3	10	1-93	15	3.3	18,134	3.52	638	0	32		+236	+.02	+11	+16
02-13-62 1210078 4045849 5-73					51		17,730	3.47	615							
1421165 ALBERTVILLE AARON MAOCAP B....*		3	17	2-23,35	22	3.1	14,410	3.50	504	24	32		-114	-.02	-7	-9
11-12-61 1385929 4291533 5-73					13		14,811	3.58	530							
1421231 SHLOTZSTEAD ORMSBY SKYLINER...*		1	10	1-21	10	4.2	13,967	3.52	492	0	25		+26	+.01	+2	+2
11-11-61 1244845 4116683 5-73					22		13,804	3.48	481							
1421257 THONYMA PROFESSOR.....	48-01	53	2	1-48	81	2.8	13,330	3.73	496	20	83		-940	+.11	-19	-44
10-26-61 1181068 3417595 5-73					25		14,442	3.60	520							
1421258 THONYMA SCHOOLMASTER.....		1	98	1-48	98	2.5	13,074	3.85	503	9	30		-26	+.05	+6	+4
10-28-61 1181068 4913632 5-73					62		13,029	3.67	478							
1421287 VENTURE FARM JOVE.....*		8	12	3-11,12,	32	3.0	14,069	3.65	514	4	48		-172	+.05	+1	-4
05-13-61 1227212 2875511 5-73				13	22		14,437	3.53	510							

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HO	STATES AND WITH MOST OAUS	... DAUGHTERS AND HERDMATES ... DAUS	REC/DAU HERDMATE	MILK HM/DAU	% MILK	FAT HM/DAU	% FAT	% INC	IST REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1421294 ZELDENRUST ROYAL FOBES.....*	34-01	36	2	2-32,34	44	2.6	13,962	3.75	524		5	73	-492	+.09	-5	-19
C1-31-62 1335460 2931936 5-73					18		14,670	3.63	533							
1421319 SKOKIE PATTERN.....*		22	41	5-21,23,	122	2.2	13,402	3.56	477		10	53	-402	+.02	-12	-22
01-07-62 1288610 3785611 5-73				35,52,56	31		14,132	3.54	500							
1421329 ROTHER IVANHOE HARTOG.....*		9	10	3-33,35,	27	2.3	15,330	3.76	577		17	43	+215	+.01	+9	+14
04-09-62 1189870 3421858 5-73				61	34		14,875	3.76	560							
1421349 CLOVERTOP SIR OELLA.....*	51-02	127	3	7-21,23,	198	2.8	13,186	3.82	504		12	91	-918	+.11	-18	-43
02-18-62 1151349 4011323 5-73				51,52,54	23		14,171	3.70	525							
1421406 HILLRUN CRESTVALE MAGICIAN....*		1	15	1-34	15	2.9	13,346	3.66	488		31	25	-280	+.05	-3	-11
02-03-61 1138451 3656913 5-73					22		14,496	3.46	501							
1421505 FOXLEASE PONTIAC LEADER.....	31-07	286	4	10-21,34,	644	2.2	14,916	3.49	521		9	97	+443	-.10	+1	+14
03-04-62 915940 3289194 9-72				52,55,63	26		14,454	3.60	520							
1421599 OAIRYLOU BENEFACTOR.....		1	26	1-52	26	3.7	16,426	3.44	565		3	30	+402	-.09	+1	+13
C1-09-62 1199324 3642220 5-73					24		15,163	3.73	565							
1421609 KIDD FARMS URBAN REGENT.....*		5	98	1-93	108	2.7	14,230	3.37	480		8	33	-22	-.04	-6	-6
08-20-61 1314526 3775617 5-73					59		14,289	3.50	500							
1421632 GLENAFTON RAG APPLE MARTEL....*		20	1	2-21,51	25	1.9	14,463	3.45	499		42	59	-310	-.05	-18	-24
10-13-61 1243697 011132001 5-73					22		15,062	3.54	533							
1421645 CARNATION PEACE-MAKER.....*	91-11	69	3	16-35,41,	110	2.3	15,224	3.51	534		16	85	+250	-.10	-6	+3
03-12-62 1175596 4954403 5-73				42,43,91	20		14,990	3.64	545							
1421655 JERGENS RAG APPLE ROAMER.....*		8	1	1-41	10	2.3	14,345	3.65	523		**	38	+117	+.03	+8	+10
07-14-61 1341564 4666208 9-72					13		13,995	3.58	501							
1421669 DANN FARM SOVEREIGN HOMER.....*		2	8	1-21	13	3.7	14,986	3.65	547		**	33	-130	+.06	+4	-1
08-08-61 1281699 3159458 5-73					20		15,501	3.46	536							
1421675 FAIRHOPE SKYLINER ROAMER.....		2	10	2-41,43	12	2.3	13,457	3.45	464		**	26	-401	+.02	-11	-21
05-08-62 1244845 4624371 1-73					10		15,106	3.39	512							
1421695 SANOSDALE DRUMMER VAR.....	35-21	726	4	18-35,41,	1,375	1.2	14,390	3.84	552		15	98	-655	+.18	+1	-19
12-12-61 1326835 4434207 5-73				42,47,52	19		15,134	3.66	554							
1421703 BODE-ACRES HI HOPE GLEN.....*		3	9	1-48	21	3.3	15,197	3.48	529		6	41	+181	-.02	+3	+8
01-26-62 1250992 4452931 5-73					18		14,793	3.52	521							
1421713 KKK ROCK MAGICIAN.....*		3	67	1-43	73	2.0	15,466	3.45	533		10	30	+120	-.01	+3	+6
10-04-61 1138451 4498522 5-73					35		15,140	3.45	522							
1421797 JAMES CANYON KIT PROGRESSOR...*		1	23	1-93	23	2.4	17,354	3.30	573		**	27	+313	-.06	+3	+12
02-12-62 1357308 3584053 5-73					48		16,391	3.47	568							
1421801 ROBTHOM SOVEREIGN RUSTIC-TWIN.*		7	3	3-43,71,	17	3.1	14,646	3.47	508		0	49	+114	+.02	+7	+9
12-04-61 1158310 4259638 5-73				73	14		14,418	3.41	492							
1421805 LANGVIEW INTENSIFIER.....*	35-75	91	9	23-23,41,	172	1.7	15,766	3.51	553		13	82	-50	-.06	-10	-10
03-18-61 01026874C 011243863 5-73				91,92,93	35		15,988	3.58	572							
1421826 HAZEL BUSH SEGIS SENATOR.....*		9	23	4-21,22,	49	3.2	13,446	3.76	505		3	46	-504	+.07	-9	-23
02-22-62 1258073 3523812 5-73				23,35	10		14,572	3.63	529							
1421845 ROBIN ROSIE JOE.....		2	7	1-35	13	2.5	13,124	3.89	510		29	31	-151	.00	-5	-9
C2-22-62 1106334 4599825 5-73					7		13,532	3.92	531							
1421862 PRINCE ABBEKERK INSPIRATION...*		7	8	2-23,51	21	1.8	12,681	3.82	484		8	39	-350	+.05	-5	-15
11-18-61 1275142 5257325 5-73					16		13,487	3.69	498							
1421870 ROSEMERE TRIUNE SENATOR.....*	35-05	47	2	5-33,35,	68	3.1	14,739	3.60	531		13	81	-13	-.06	-9	-8
11-23-61 1050848 35C0390 5-73				41,42,56	19		14,797	3.69	546							
1421942 LYNANN ENSIGN HOSS.....		2	17	1-34	19	2.5	13,175	3.57	470		15	27	+62	-.01	+1	+3
C1-10-62 1332207 4287150 5-73					41		12,783	3.61	461							
1421946 MUN-CRE IVANHOE TALLYHO.....*		4	8	2-23,33	18	3.5	15,570	3.85	599		13	39	+232	+.05	+16	+20
11-01-61 1189870 4868727 5-73					14		15,039	3.74	563							
1422022 OAKMULGEE LUCKY CHAMP.....		1	20	1-52	20	1.8	15,322	3.56	546		**	24	+142	+.01	+7	+10
03-23-62 1303103 4075307 5-73					20		14,776	3.50	517							
1422029 WAYNEDALE SIR IVANHOE BURKE...*		5	18	3-41,42,	28	2.4	14,339	3.43	492		11	35	+95	-.07	-7	-3
11-24-61 1189870 4318944 5-73				45	18		14,028	3.67	515							
1422034 VIGO VITALITY SUPREME.....*	61-02	26	2	2-33,35	37	2.7	14,948	3.81	570		13	69	+338	+.07	+23	+29
C1-17-62 1357215 3856722 1-73					23		14,453	3.73	539							
1422035 VIGO REFLECTION JUDGE.....*		11	3	1-47	19	2.7	13,047	3.59	469		8	52	-367	.00	-13	-22
C4-18-62 1383551 4104450 5-73					11		13,691	3.60	493							
1422040 CHRIS GRAY VIEW SYMBOL.....		3	5	1-42	12	2.7	13,301	3.47	461		13	35	-261	-.03	-13	-19
12-25-61 1244844 4156628 5-73					24		14,020	3.56	499							
1422043 GLADELL ROYAL ARCHIE.....*		1	12	1-23	12	2.3	13,445	3.76	506		8	23	-342	-.02	-15	-23
01-29-62 1352270 3866615 5-73					14		14,992	3.87	580							
1422095 WIS ROBURKE.....*	23-11	170	3	3-22,23,	295	2.6	13,411	3.82	512		12	94	-794	+.10	-15	-36
03-28-62 1292880 3111751 9-72				51	18		14,244	3.72	530							
1422096 WIS PIONEER JOE LAO.....*		3	7	1-34	12	1.8	13,798	3.80	525		18	27	-75	+.03	+2	-1
04-04-62 1292880 3373777 5-73					11		14,041	3.70	519							
1422101 WIS DYNAMIC IMPROVER BILL.....*		6	2	2-23,31	11	2.1	12,792	3.64	465		17	37	-324	.00	-11	-19
03-22-62 1330357 4951860 5-73					20		13,595	3.64	495							
1422104 WIS RINGMASTER PIONEER.....*		1	36	1-35	36	2.4	10,497	3.76	395		**	28	-378	+.05	-7	-17
04-29-62 1385713 4755131 5-73					21		11,581	3.56	412							
1422139 BURKE RAG APPLE LAO.....		1	14	1-48	14	2.7	11,163	3.59	401		10	25	-291	+.01	-9	-16
11-07-61 1244845 4626224 5-73					6		12,092	3.56	431							
1422157 FARMCREST MAN-O-WAR.....*		2	7	1-93	13	2.1	14,108	3.59	507		38	29	-196	+.02	-4	-9
C1-25-62 1373831 3804958 5-73					49		14,839	3.54	526							
1422159 FARMCREST COMBINE ROCKET.....*		1	13	1-88	13	2.8	14,111	3.25	458		9	25	-363	-.01	-15	-23
02-26-62 1373831 4344335 5-73					19		15,732	3.34	525							
1422182 BEAU SHAMROCK SCULPTOR.....	41-01	331	2	7-41,42,	517	1.5	14,144	3.54	500		15	96	-245	-.05	-16	-21
02-12-62 010260599 3851719 1-73				45,82,87	14		14,401	3.60	518							
1422183 BEAU SHAMROCK EMINENT.....	41-01	394	2	8-35,41,	606	1.6	14,430	3.47	500		12	97	-89	-.12	-21	-20
02-17-62 010260599 3493104 1-73				45,46,87	15		14,537	3.60	523							
1422185 MARIKENS BUTTERFIELD ENSIGN...		2	18	1-55	26	2.9	16,942	3.59	608		8	35	+503	-.05	+10	+23
02-16-62 1230082 4154248 5-73					20		15,605	3.75	585							
1422258 VALLA VISTA REMEMBER PETRUS...*	91-11	42	11	13-23,35,	104	2.3	14,686	3.75	551		12	73	-10	+.07	+10	+8
C2-13-62 1350617 4911180 5-73				42,46,47	19		14,736	3.66	540							

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS HM/DAU	REC/DAU HERDMATE	MILK	%	FAT	% FAT INC	1ST REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1422261 ODDRCD RDAMER ROYAL.....		3	24	1-35	37	2.5	16,488	3.38	557	25	36	+445	-.11	0	+13
10-20-61 122D707 4039332 5-73					6		15,348	3.65	56D						
1422338 WDDDFIELD DDUBLE HOPE.....		2	8	2-41,63	1D	3.4	9,792	4.01	393	0	26	-258	+.04	-3	-10
11-04-61 13764D2 4639292 1-73					10		10,378	3.84	398						
1422352 USNAD DESIGN DELLA.....*		3	8	2-51,52	15	1.8	14,502	3.56	516	**	31	+153	-.04	0	+5
03-04-62 127197D 4054579 5-73					63		13,958	3.71	518						
1422356 DIBBLE CRESCENT DIAMOND.....*		5	5	1-74	15	4.4	13,048	3.43	447	0	41	-228	+.02	-6	-12
11-02-60 1303076 3217286 5-73					33		13,516	3.40	459						
1422377 PRINCE GLEN.....	33-02	34	2	2-33,74	54	2.5	12,936	3.58	463	12	75	-748	-.04	-32	-49
C2-04-62 1126982 4312250 5-73					26		13,881	3.65	506						
1422396 TI-CREEK SUCCESSOR KING.....*		2	12	1-21	22	3.0	13,136	3.68	484	5	38	-422	+.07	-6	-18
02-31-61 905683 3944562 5-73					17		14,240	3.52	501						
1422397 DUNCAN FARM MAGIC BD8.....*		2	8	1-31	1D	3.1	16,271	3.47	564	1D	25	-104	+.01	-2	-5
12-26-61 1138451 5D68267 5-73					11		16,939	3.45	584						
1422425 WALHDWDDN VERNDN IVANHDE.....*	16-07	6	5	3-12,13,	17	1.6	16,526	3.86	638	0	40	+340	+.07	+23	+29
C2-28-62 1189870 4767484 5-73				21	21		15,807	3.71	586						
1422553 EL-DRD PRINCE KERK.....*		1	36	1-93	36	2.0	18,885	3.56	673	**	28	+230	-.02	+6	+12
C8-05-61 1323223 3380692 5-73					72		18,466	3.61	667						
1422589 LDUTRICIA PRILLY ARISTOCRAT...		4	8	1-52	15	1.3	12,870	3.86	497	**	28	-380	+.06	-5	-16
C3-04-62 1124780 4679459 5-73					25		14,211	3.65	518						
1422650 MAYNARD RDSEHAVEN WALKAWAY....	41-01	44	1	4-41,42,	50	2.6	14,561	3.67	534	15	76	+292	+.05	+18	+24
11-29-61 1272746 4215842 5-73				45,46	17		14,153	3.60	510						
1422655 EL-KATRINA IVANHDE MITA.....	91-13	111	22	4-86,91,	350	1.3	16,598	3.66	608	10	82	+514	+.06	+28	+39
C1-01-62 118987D 3560059 1-73				92,93	50		16,146	3.59	580						
1422672 AYRMDR MISTER BEN.....*		3	15	1-51	20	3.8	16,996	3.90	663	11	33	+381	-.01	+13	+22
12-01-61 1199324 3835245 5-73					14		15,990	3.97	635						
1422718 CLANYARD JENNIE DUSTY BDY.....	61-02	64	2	9-31,33,	92	2.3	14,525	3.71	539	14	84	+64	+.04	+8	+8
C1-05-62 1282185 2827868 5-73				61,64,84	23		14,455	3.67	531						
1422827 EDGEMAR INVINCIBLE JDE.....		1	15	1-93	15	2.7	17,617	3.60	634	0	25	+116	-.02	+2	+5
12-08-61 1170910 4682976 5-73					169		17,457	3.64	636						
1422875 FDBES MDNDGRAM KING.....	35-75	33	4	8-21,22,	54	3.0	14,896	3.49	520	15	72	-50	-.06	-10	-10
C3-30-62 1077788 4423779 5-73				33,34,35	22		15,031	3.57	537						
1422892 LDGWDDD BENEFACTOR BLANE.....	33-03	239	2	35-21,23,	345	1.6	14,969	3.67	549	14	95	+55	+.04	+8	+8
10-11-61 1199324 4125865 5-73				35,41,51	26		14,969	3.63	543						
1422971 FREEBAER SIR ECHO.....*		3	15	2-23,51	26	2.8	14,022	3.82	536	4	37	-385	+.04	-8	-18
03-09-62 1333330 3167506 5-73					32		15,152	3.73	565						
1423041 CDDY IMPERIAL MDDEL PRINCE....		2	15	1-74	24	2.3	11,509	3.43	395	5	34	-387	+.01	-12	-22
C2-15-62 1276918 3274302 5-73					28		12,462	3.39	423						
1423057 ADDMORE GREEN NOTCH PRIDE.....*		2	22	1-35	27	2.5	16,195	4.03	652	13	31	-65	+.09	+10	+6
C6-02-61 1258673 4749642 5-73					19		16,634	3.80	632						
1423101 GRAY VIEW X CRICK.....		8	5	3-35,42,	17	2.1	14,566	3.71	540	13	40	+221	+.05	+15	+19
C5-04-62 1378594 4847069 5-73				47	21		13,967	3.58	500						
1423109 CAL-CLARK SALUTE REBEL.....		1	42	1-93	42	2.1	13,951	3.66	511	**	28	-47	+.03	+2	0
01-20-62 1310334 3441056 5-73					42		14,090	3.58	504						
1423117 EL PAJARO BENEFACTOR RDBURKE..		17	51	1-93	122	1.7	16,520	3.58	591	10	47	+144	+.02	+8	+11
11-27-61 1199324 4440469 5-73					82		16,413	3.53	579						
1423128 GRAY VIEW SKY ESTIMATOR.....*		16	2	4-34,41,	20	1.9	14,621	3.56	521	13	53	+561	+.01	+21	+34
C7-28-61 1244845 4407458 5-73				45,74	19		13,463	3.55	478						
1423138 LUND OALE JERRY SKYMASTER-TWIN	41-01	432	3	8-35,41,	733	1.8	14,355	3.65	524	15	97	-277	+.07	0	-8
11-14-61 1261140 4576869 5-73				42,45,46	14		14,668	3.59	526						
1423178 NESHONDC REECHO.....*		6	25	3-35,42,	34	2.0	16,251	3.32	539	19	32	+254	-.10	-5	+4
12-08-61 1368237 3854983 5-73				61	17		15,563	3.62	563						
1423188 POGO WIS ORMSBY.....*		2	8	1-41	11	2.5	12,920	3.33	430	33	26	-94	-.03	-8	-9
09-25-60 1144239 4498922 5-73					17		13,159	3.50	460						
1423201 SMITHOLM LUCROSS-TWIN.....*	33-03	1,443	4	44-21,23,	2,612	2.1	12,983	3.85	500	20	99	-1,600	+.22	-29	-72
C1-03-62 1378594 3841838 1-73				35,41,51	23		14,620	3.63	531						
1423213 SKOKIE CORONET REX.....	31-02	140	4	13-31,43,	283	1.9	13,719	3.50	480	16	92	-380	-.09	-27	-34
03-26-62 1297169 4291082 5-73				56,57,58	23		14,103	3.61	509						
1423265 LAVACRES DUSTY MYSTERY.....*		3	70	1-41	74	2.2	16,098	3.56	573	38	30	-124	.00	-5	-8
03-28-62 1205185 4381063 5-73					18		16,760	3.58	600						
1423267 LAVACRES POLLY ARGON.....*		2	29	1-52	31	2.2	12,639	3.81	481	28	28	-429	+.07	-5	-17
C2-12-62 1382958 4903879 5-73					32		14,177	3.54	502						
1423320 ST CROIXCD IVANHDE.....*	91-11	166	6	27-23,35,	278	1.5	15,023	3.82	574	15	90	+180	+.13	+26	+27
C2-09-62 1189870 4132764 5-73				41,42,93	20		14,871	3.69	548						
1423377 ARLINDA RAG APPLE.....*		1	39	1-86	39	2.0	13,742	2.99	411	5	27	-264	+.01	-8	-15
C2-13-62 1322069 4515305 5-73					34		14,757	2.94	434						
1423435 LONGHURST ROYAL CHIEF.....*		3	4	1-21	11	2.8	15,066	3.80	573	27	34	+15	+.04	+7	+6
01-07-62 1305460 4483259 5-73					15		15,092	3.70	558						
1423438 JAN-AR MAGICIAN CUPID.....*		4	19	2-23,31	25	2.6	13,423	3.54	475	22	31	-214	-.02	-10	-15
12-10-61 1138451 3203464 5-73					11		14,086	3.63	511						
1423444 BEETS MOSSMAN PABST.....*		10	7	3-23,42,	28	2.1	12,659	3.72	471	27	49	-378	+.07	-4	-15
10-31-61 1215958 3818702 5-73				47	30		13,331	3.59	478						
1423483 LIME HOLLOW SENATOR REBURKE...	21-10	44	2	4-12,13,	54	3.0	14,424	3.67	530	11	77	-492	+.07	-8	-21
C2-05-62 1085978 4735487 5-73				21,58	25		15,143	3.59	544						
1423552 REX TRIUNE COMET.....*		12	7	2-35,42	29	2.7	15,158	3.67	556	4	53	-31	+.03	+3	+2
12-01-61 1297169 4345135 5-73					13		15,310	3.61	553						
1423563 COTTONWOOD VALE MASTER ROYAL..*		5	16	2-31,34	23	3.0	13,557	3.65	495	4	34	-295	.00	-11	-18
11-18-61 1305460 4519511 5-73					11		14,432	3.69	532						
142368D STUROY OAK ROYAL FDBES.....*	35-05	42	3	7-33,35,	70	2.7	14,471	3.49	505	18	78	+36	-.12	-16	-12
12-18-61 1305460 5081180 5-73				41,42,52	16		14,429	3.66	528						
1423696 B-J IRVINGTON ADMIRAL PRINCE..*		8	5	5-14,23,	19	2.2	14,458	3.55	513	25	43	-29	-.01	-3	-3
03-31-62 1237057 4087876 5-73				51,52,61	72		14,544	3.59	522						
1423733 WILLAROS ASTRONAUT.....	93-19	8	51	6-21,35,	66	2.6	16,484	3.43	566	14	35	+127	-.01	+3	+6
C1-01-62 1305460 3721405 5-73				41,42,43	12		16,313	3.45	562						

REGISTRATION NUMBER	NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HO	STATES NO- WITH MOST DAUS	...DAUGHTERS AND HEROMATES... DAUS	REC/DAU HEROMATE	MILK	%	FAT	%	1ST LAC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1423748 MASS WIS 3DY.....*			1	29	1-21	29	3.5	15,693	3.56	559		0	30	+23	-.03	-3	-2
C2-01-62 1179372 3681243 5-73						11		15,753	3.68	579							
1423766 FULTONWAY IVANHOE WYLWYN.....*		23-11	342	4	9-13,21,	604	1.8	14,518	3.84	557		11	96	-322	+.13	+7	-4
12-21-51 1189870 3290633 5-73					22,23,34	26		14,905	3.71	553							
1423862 ODDO FARMS IVANHOE BEAU GESTE.*			1	60	1-23	60	3.0	17,407	3.28	571		3	31	+699	-.08	+13	+32
C1-01-62 1189870 4555704 5-73						57		15,212	3.47	528							
1423921 NAPSTAHOS JON BARON ORMSBY....*			5	14	1-93	23	2.4	15,647	3.75	587		11	34	-402	+.06	-6	-17
C2-18-62 1268107 4428463 5-73						84		17,688	3.62	618							
1423926 BUTZRIDGE IVANHOE OANOY.....*		31-02	101	9	13-31,48,	263	1.3	16,736	3.53	590		11	87	+420	-.08	+3	+15
C2-19-62 1189870 4175133 5-73					57,73,93	58		16,458	3.61	594							
1423993 QUINNLAND SKYLINER SIR PRILLY.*			4	8	1-43	14	2.0	13,250	3.55	470		43	31	-406	+.02	-12	-22
C1-02-62 1244845 4353894 5-73						14		14,601	3.51	512							
1424022 PINEYHILL METEOR.....*			35	166	14-21,33,	249	2.0	13,999	3.77	528		14	38	-115	+.05	+3	-1
10-29-61 1295523 4507237 5-73					34,41,42	375		14,298	3.64	521							
1424023 PINEYHILL LOTHARIO.....*			1	14	1-51	14	2.6	15,099	3.91	591		17	25	-137	+.03	-1	-5
12-08-61 1295523 4087682 5-73						26		15,794	3.86	610							
1424048 WALLIE CURTISS CANOY JACK.....*			1	14	1-34	14	3.4	15,593	3.69	576		23	26	+128	-.02	+1	+5
12-04-61 1190632 4060324 5-73						11		15,173	3.80	576							
1424056 COOPER HILL ELDORADO.....*			5	44	4-13,14,	55	1.9	15,743	3.82	601		4	31	-55	+.01	0	-2
C3-15-62 1244845 3844110 5-73					16,21	56		16,092	3.81	613							
1424115 GREEN-EAST ARISTOCRAT IVAN.....*			1	28	1-21	28	2.6	12,899	3.44	444		29	27	-255	-.02	-12	-18
C3-12-62 1189870 4585043 5-73						17		13,782	3.56	491							
1424125 V B H KORNDYKE SOVEREIGN.....			1	14	1-52	14	2.5	12,439	3.66	455		0	25	-360	+.03	-9	-18
C4-01-62 1263152 4716131 9-72						5		13,806	3.58	494							
1424134 OEW-MORE HAPPY LAURA.....*			1	19	1-14	19	3.7	18,037	3.47	625		0	29	+274	-.01	+8	+15
C1-01-62 1199324 3977207 5-73						25		17,376	3.48	605							
1424152 PINEHURST POSCH ARISTOCRAT.....*			14	6	4-34,35,	24	2.9	15,024	3.51	528		21	50	+76	-.05	-5	-2
C2-04-62 1286826 4486493 1-73					42,85	35		14,927	3.64	543							
1424203 EL-ORO GINGER SATIN STAR.....*			2	95	1-93	97	1.7	18,534	3.68	682		**	29	+153	+.04	+11	+14
C4-13-62 1258073 2862582 5-73						57		18,399	3.57	657							
1424208 OUR CROSS.....*			44	6	18-12,21,	84	2.5	13,615	3.94	537		10	77	-1,241	+.20	-18	-52
C1-10-62 1378594 3866465 5-73					23,33,35	29		15,318	3.70	567							
1424227 WALKWAY HONEYMAN RAINBOW.....		61-02	96	2	6-31,33,	162	2.4	14,675	3.78	554		11	90	+159	+.12	+23	+24
10-16-61 1255694 3345727 5-73					35,42,61	19		14,510	3.65	530							
1424245 GORLIB IVANHOE MAJOR.....*		91-11	269	6	32-23,35,	468	1.8	14,734	3.46	510		14	94	-24	-.17	-25	-21
C2-19-62 1189870 4771469 9-72					41,42,56	23		14,802	3.65	540							
1424294 W A F DELLA FRANK.....*			16	8	4-51,54,	33	2.9	14,505	3.58	520		20	53	-182	+.05	0	-6
C1-05-62 1151349 4278294 5-73					55,63	18		14,902	3.50	521							
1424299 WESTMOUNT ROYAL MASTER LAO....*			3	44	3-11,12,	53	2.2	15,519	3.63	563		2	32	+145	-.02	+3	+7
C9-07-61 1305460 011093274 5-73					14	20		15,140	3.69	559							
1424330 M V B A IVANHOE POLLY BOB.....		41-01	585	4	11-34,41,	1,242	1.7	14,665	3.57	524		15	98	-135	-.01	-7	-10
C1-15-62 1189870 3988198 1-73					42,45,46	15		14,849	3.60	534							
1424342 PRAIRIE GROVE JAMES BUTTER BOY*			5	14	1-35	21	2.1	14,034	3.72	522		16	32	-232	+.04	-3	-9
C5-23-62 1353135 4207417 5-73						17		14,806	3.62	536							
1424367 HACK ROSAFE MAC.....*			15	7	4-43,48,	43	2.8	12,069	3.49	421		**	62	-554	-.01	-21	-34
C4-24-61 1138451 3708658 5-73					72,73	23		12,830	3.52	450							
1424395 SIR AGHALOMA CARLO BRIGEEN....*			2	11	1-11	13	3.2	14,278	3.90	557		33	27	-127	+.08	+7	+2
C7-22-61 1359139 4601212 5-73						37		14,800	3.61	534							
1424414 SAVAGE-LEIGH FOBES HIGH AWARD.*			4	5	1-51	15	1.8	11,716	3.75	439		**	36	-452	-.02	-19	-29
C1-16-62 1336435 3903427 5-73						26		12,824	3.84	493							
1424464 FERNHAVE OSBORNDALE BURKE-TWIN*			5	3	3-11,12,	13	2.2	12,459	3.96	493		25	38	-635	+.12	-7	-25
C4-12-62 1189870 4251523 5-73					14	27		14,103	3.64	513							
1424478 WEARY RIVER PAUL STAR.....		93-18	7	65	1-93	145	1.3	19,075	3.64	694		11	43	+283	+.07	+21	+26
C3-01-62 1136564 4227701 5-73						160		18,872	3.49	659							
1424490 HOWACRES IVANHOE.....*		72-01	56	5	8-13,51,	160	2.0	13,608	3.65	497		17	86	-445	+.09	-3	-16
02-12-62 1189870 3277789 5-73					65,71,72	21		14,098	3.55	500							
1424514 HAYLAND SKYLINER DUKE.....*			3	7	1-51	13	3.5	13,994	3.72	520		9	34	+74	-.02	0	+2
02-03-61 1244845 3925718 5-73						23		13,705	3.82	524							
1424644 STOOKEYHOLM MONITOR WALLY.....*			5	15	1-32	22	2.8	14,996	3.83	574		21	33	+113	+.04	+10	+12
11-10-61 1322069 4655238 5-73						12		14,678	3.71	545							
1424687 LILAC HILL CRITERION PRINCE...*			3	24	1-33	39	2.4	12,136	3.78	459		17	37	-220	+.02	-5	-11
12-20-61 1244844 5029614 5-73						55		12,542	3.76	471							
1424703 SPRUCEGATE IDEAL MAJOR.....*			2	13	1-21	17	3.4	13,747	3.46	475		8	30	-197	-.01	-9	-13
09-20-61 1303179 3091449 5-73						9		14,411	3.53	508							
1424716 RWJS OJ VAR GENERAL.....		93-19	25	12	4-82,86,	89	2.0	18,280	3.42	626		4	68	+521	-.10	+4	+19
04-05-62 1235185 3855981 5-73					91,93	80		17,857	3.54	632							
1424740 LOCKWAY TEXAL IVANHOE.....*		35-21	322	3	18-23,34,	569	1.9	14,256	3.75	535		14	97	-531	+.11	-4	-19
C1-05-62 1189870 4044220 9-72					35,41,51	22		14,853	3.66	543							
1424773 SHAWS DAUNTLESS PILOT LESEYLA.		52-01	93	2	3-51,52,	142	2.7	14,642	3.60	527		11	89	+127	+.04	+10	+12
06-01-62 1287412 3969749 5-73					55	30		14,512	3.56	516							
1424776 ROSEDALE ENCORE LOTTIE JEAN...			3	16	2-42,52	21	1.1	14,935	3.52	525		**	25	-24	-.04	-6	-6
C1-21-62 1217611 4120842 5-73						4		15,104	3.68	556							
1424839 MILLBROOK POLKADOT SAM.....*			2	15	1-12	17	2.9	12,578	3.51	442		27	27	-327	-.04	-17	-24
C9-29-61 1305254 3395734 5-73						18		13,723	3.70	508							
1424847 NO-NA-ME MARSHALL ROCKET.....			4	11	1-48	19	2.6	12,874	3.58	461		17	35	-303	-.01	-13	-20
C4-15-62 1321750 4584104 5-73						12		13,682	3.65	499							
1424849 KRULL IVANHOE MAJESTIC.....*			3	12	1-35	16	3.8	16,657	3.76	627		0	31	+589	-.02	+18	+33
11-28-61 1189870 3617954 5-73						17		14,826	3.87	574							
1424867 HASSELKUS TRANSMITTER SKYLINER		35-75	32	1	5-31,35,	37	2.4	14,940	3.58	535		11	70	-399	-.01	-16	-25
C6-26-62 1244845 4010051 5-73					55,91,93	49		15,632	3.60	563							
1424887 COLLINS-CREST NORTH STAR.....*			6	7	2-13,21	15	3.5	16,629	3.57	593		20	37	+132	+.01	+6	+9
08-07-61 1189870 4134348 5-73						16		16,475	3.54	584							
1424894 WESHOLME RAG APPLE MONITOR....*			21	4	5-16,21,	47	2.2	13,105	3.93	515		21	68	-1,330	+.18	-25	-61
C2-18-62 010264804 4418094 5-73					23,31,34	32		15,144	3.68	557							

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES AND WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS HM/DAU	REC/DAU HERDMATE	MILK	%	FAT	%	1ST FAT	REPT INC	%	PREDICTED DIFFERENCES MILK	%	FAT	$$
1424992 MISS K IVANHOE DEAN.....*		3	7	1-21	17	2.9	14,292	3.76	538		0	39		-508	+.07	-9	-23
C8-24-61 1189870 3580314 5-73					24		15,738	3.61	568								
1425082 ILLIANNA ROBURKE CORONET.....		1	12	1-42	12	2.8	10,569	4.10	433		0	24		-370	+.07	-3	-14
01-12-62 1359642 4798265 5-73					21		11,892	3.72	442								
1425137 CITATION CHAMBRIC MARSHALL....*	33-03	2,033	4	45-21,23,	3,996	2.0	15,024	3.58	538		10	99		+111	-.03	-1	+3
01-04-61 1492073 5458807 1-73				31,35,41	26		14,970	3.62	542								
1425163 SPRING FARM GREAT MONTY.....*		11	2	5-35,42,	17	2.4	14,700	3.44	505		0	48		+174	-.06	-2	+4
D7-22-61 D1D269025 D10901378 5-73				61,64,74	19		14,330	3.57	511								
1425180 RAHLLCREEK CRESTON MASTER.....*		4	23	2-23,51	29	2.6	12,973	3.70	480		5	32		-11	.00	0	0
C4-07-62 1379208 4607170 5-73					20		12,856	3.73	479								
1425191 PRINCE PONTIAC INKA OELIGHT...		4	59	1-41	82	1.8	13,899	3.36	467		43	34		-347	-.04	-18	-25
C4-23-62 1247007 3149963 5-73					5		14,975	3.50	524								
1425201 SELUHM IMPERIAL TRIUNE.....*		22	3	4-21,41,	36	2.1	14,360	3.49	501		25	66		-5	-.04	-6	-5
01-03-61 1258008 3749114 5-73				43,71	14		14,367	3.56	511								
1425273 OSAGE FARMS BURKE ROYAL.....*		10	22	4-33,35,	44	2.2	14,249	3.27	466		19	41		-27	-.08	-13	-11
06-25-62 1250350 4088214 5-73				64,74	12		14,309	3.47	497								
1425280 HIGH MEADOW FARM SKYWRITER....*		6	19	1-21	33	1.4	16,960	3.51	596		**	33		+213	-.03	+3	+9
C1-18-62 1244845 5076948 5-73					28		16,526	3.59	594								
1425306 WILLAROS REVELON.....*	91-11	42	7	11-23,33,	96	1.9	14,181	3.82	542		19	75		-508	+.16	+4	-12
02-05-62 1055021 4652663 5-73				35,42,74	36		14,910	3.62	539								
1425440 UMC REVELATION HARRIET HERO...*		7	24	3-41,45,	47	2.3	14,184	3.52	499		29	41		+95	-.04	-3	0
C3-14-62 1331228 4651604 5-73				81	18		13,903	3.65	507								
1425625 CREEK CURVE OUNLOGGIN PIEBE...	35-75	104	1	21-21,41,	123	1.4	15,534	3.69	573		10	86		+81	+.11	+19	+18
C5-05-62 1D1D936 3854394 5-73				55,91,93	29		15,557	3.57	555								
1425628 BENEVA OELLA ADA PRIDE.....		1	21	1-51	21	2.2	15,170	3.74	567		0	26		-86	.00	-3	-5
C7-02-61 1151349 3555981 5-73					16		15,628	3.78	590								
1425634 GLENAFTON RAG APPLE PACEMAKER.*		13	3	5-35,43,	23	2.6	14,527	3.78	549		13	54		-111	+.12	+13	+7
C7-29-61 1243697 D11104330 5-73				71,73,74	14		14,771	3.55	525								
1425697 SHANGHIGH ROSA TOPPER.....		1	18	1-31	18	2.0	12,988	3.75	487		8	24		+79	+.01	+4	+6
10-21-61 1270830 3789085 5-73					19		12,457	3.74	466								
1425867 MIDLAND MAGIC TRIGGER.....*	91-13	43	3	5-35,86,	77	1.7	14,922	3.71	554		29	78		-931	+.08	-23	-47
C5-04-62 1138451 5078352 5-73				91,92,93	53		16,305	3.63	592								
1425878 RUSTIC LEADER MAHARAJA.....*		1	42	1-34	42	2.5	13,947	3.50	488		9	29		-51	-.01	-3	-4
01-16-62 1356414 3129427 5-73					23		14,101	3.55	501								
1425931 LOOKOUT FARMS IVANHOE BEN....*		5	23	1-11	30	3.4	14,799	3.68	544		7	34		-15	+.01	+1	0
C3-07-62 1189870 3661228 5-73					25		14,895	3.64	542								
1426007 THORNLEA TEXAL COLANTHA.....*		3	16	1-51	20	3.0	12,725	3.98	507		15	30		-403	+.08	-3	-15
D2-01-62 D10254804 D10910334 5-73					18		14,025	3.71	521								
1426096 MILLERHURST OUNLOGGIN PRINCE..*		15	20	3-14,16,	51	2.0	13,860	3.68	510		53	46		-155	.00	-5	-9
10-01-61 1271595 3676235 5-73				21	34		14,180	3.69	523								
1426151 ARLENDEL FOBES SKYLINER.....*		3	11	1-35	22	2.5	13,567	3.63	493		0	37		-115	-.03	-8	-10
C5-07-62 1244845 3612457 5-73					16		13,825	3.74	517								
1426172 KANATA AUSTRO GLEN WOODBINE...*		3	5	1-21	15	2.1	11,808	3.71	438		**	37		-602	+.04	-16	-31
02-20-62 1049402 4102890 5-73					10		13,321	3.61	481								
1426178 COCHRAN GENERAL BENTON.....*		9	2	2-21,23	12	1.4	14,028	3.70	519		50	38		-813	+.05	-23	-43
04-30-62 1215402 3648279 5-73					29		16,354	3.60	588								
1426179 COCHRAN TERRITET ROBB.....*		5	10	1-21	26	2.7	15,360	3.98	611		9	44		+71	+.12	+20	+19
05-05-62 1382270 4495704 5-73					45		15,287	3.74	571								
1426208 FRAN-LOU CORONADO.....*	35-05	44	5	8-21,22,	71	2.0	16,123	3.66	590		18	74		+376	+.03	+18	+26
02-10-62 D10257174 5411179 5-73				35,41,42	23		15,751	3.63	571								
1426249 SANOSOALE SOV KING 8.....*		9	3	2-21,23	17	2.2	12,024	3.56	428		7	46		-647	-.03	-28	-43
10-18-61 1364126 4005933 5-73					14		13,329	3.67	489								
1426312 CHAPEL BANK IMPALA.....*		1	25	1-21	25	2.9	15,531	3.71	576		20	28		-14	-.01	-2	-2
C3-08-62 1189870 4510152 5-73					42		15,717	3.77	593								
1426322 IDA KING.....*		2	14	2-82,87	16	4.1	10,857	3.16	343		**	30		-390	-.04	-19	-27
D8-05-61 1230082 3709925 5-73					13		11,897	3.32	395								
1426326 OXENDER COOMER KING MICHAEL...		2	12	1-34	24	2.8	15,972	3.40	543		26	38		+143	-.05	-2	+3
C5-26-62 1244845 3892307 5-73					20		15,727	3.52	554								
1426403 RUNNINGWELL SIR MODEL MIKE....*		1	12	1-34	12	3.0	13,946	3.50	488		25	25		-49	-.04	-8	-8
05-10-62 1333144 4054333 5-73					16		14,121	3.71	524								
1426415 PRINCE POLYTECHNIC PATHFINDER.		17	1	1-34	19	1.6	14,378	3.48	500		6	52		+94	-.09	-10	-5
07-03-62 1378720 4614670 5-73					26		14,176	3.68	522								
1426427 DICTATOR JEWEL KING.....		1	18	1-35	18	2.0	16,480	3.70	609		**	25		+73	.00	+2	+4
02-02-62 1357783 4839683 5-73					18		16,382	3.74	612								
1426428 ADDHR REX PRINCETON.....	93-02	2	22	1-93	26	1.9	15,574	3.54	552		**	28		+214	-.01	+6	+11
02-26-62 1376502 3753569 5-73					344		14,860	3.58	532								
1426445 KNJDSONS HI HOPE COMMANDER....		1	36	1-48	36	1.7	10,622	3.56	378		32	26		+16	+.01	+2	+2
08-02-62 1250992 4368620 5-73					14		10,134	3.50	355								
1426451 SKOKIE MILKYWAY.....	31-07	212	4	8-32,33,	380	1.6	14,981	3.46	518		17	94		+364	-.16	-10	+3
11-28-61 1282185 4646084 5-73				34,52,74	23		14,616	3.63	531								
1426453 SKOKIE RETURN BOY.....	61-02	82	3	7-31,32,	131	1.9	14,327	3.59	514		14	86		-358	-.03	-17	-25
01-18-62 1282185 4818208 5-73				33,63,74	23		14,782	3.63	537								
1426454 SKOKIE GERRY BOY.....*		3	6	1-34	13	2.0	15,705	3.63	570		27	33		+161	-.01	+5	+9
02-09-62 1282185 4818210 5-73					20		15,307	3.65	558								
1426566 WOODYLANE ATHLONE NO 1-TWIN...*		1	21	1-34	21	2.3	13,744	3.70	509		19	26		-74	+.01	-1	-3
C1-07-62 1210078 3688722 5-73					14		13,994	3.70	518								
1426584 KEN VER NEIL COUNT RONNIE.....*		9	11	1-48	34	2.4	12,992	3.69	479		17	48		-525	+.05	-12	-26
C9-26-61 1350414 4631449 5-73					9		14,056	3.59	504								
1426597 GETTIE LANCER PIEBE.....	35-75	200	2	32-23,35,	291	1.2	15,914	3.59	571		8	93		+534	-.02	+17	+30
C6-11-62 1092490 4818223 1-73				41,55,57	36		15,443	3.60	556								
1426616 PACLAMAR CAPSULE.....*	93-19	211	27	29-31,34,	421	1.3	16,302	3.63	592		10	82		+943	-.03	+30	+53
05-05-62 1144239 4141507 5-73				35,41,42	36		15,241	3.67	559								
1426639 ILLOWA PAUL SEGIS.....		1	50	1-82	50	2.1	14,452	3.90	563		10	28		-17	+.04	+5	+4
C4-10-62 1226459 4025811 5-73					4		14,531	3.77	548								

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS	REC/DAU HERDMATE	MILK	%	FAT	% LST INC	% REPT	PREDICTED DIFFERENCES MILK	%	FAT	$$
1426647 RUSTIC LEADER NOBLE.....*		7	13	2-31,32	27	2.7	14,179	3.65	517	8	41	-15	+.05	+7	+5
02-24-62 1356414 4082836 5-73					19		14,199	3.51	499						
1426648 RUSTIC LEADER ROYAL.....		1	13	1-34	13	2.4	15,039	3.41	513	18	24	-236	-.01	-10	-15
02-28-62 1356414 3169160 5-73					7		16,226	3.48	565						
1426677 GLEN COVE GRACIOUS SAM.....		1	11	1-21	11	1.8	11,499	3.21	369	55	21	-167	-.01	-8	-12
05-15-62 1337797 4533363 5-73					21		12,076	3.30	398						
1426746 WILLOW TERRACE ALERT CLED-TWIN*		6	4	1-21	15	2.3	15,912	3.63	577	9	40	+25	-.01	-1	0
03-24-62 1154946 4086078 5-73					38		16,012	3.68	590						
1426816 OAN-VER TIM.....		4	21	1-93	54	2.1	17,807	3.51	625	3	47	+553	-.03	+16	+30
09-29-61 1322863 4609134 5-73					25		16,881	3.54	598						
1426841 HOLWYN IDEAL PILOT.....*		7	2	6-31,56,	11	2.6	13,185	3.35	442	13	39	-111	-.03	-9	-11
03-13-62 1175596 4969794 5-73				58,63,65	29		13,372	3.45	462						
1426898 ZIMMERMAN PILOT STAR ANDY.....*		1	130	1-21	130	2.6	13,530	3.69	499	8	31	-57	+.01	0	-2
09-13-61 1251857 4098586 5-73					55		13,645	3.68	502						
1426912 CONNERHILL IVANHOE LEADER.....*	33-03	9	11	3-21,34,	39	1.9	16,476	3.86	636	11	49	+512	+.14	+39	+47
11-07-61 1189870 4722631 5-73				41	23		15,540	3.60	560						
1426934 NORTH STATE AME IDEAL MONTIE..*	55-01	6	5	1-55	22	2.4	16,399	3.79	622	24	47	-192	+.10	+7	0
08-24-62 1137421 4144092 1-73					50		17,076	3.61	616						
1426940 BUTTERCUP LAKEFIELD REX.....		1	11	1-35	11	2.1	12,002	3.51	421	18	22	-566	-.03	-25	-38
05-02-62 1385959 4059730 1-73					4		14,547	3.72	541						
1426946 WOLVERINE BARON DICTATOR.....*		4	22	1-32	31	2.6	14,690	3.29	484	15	34	+5	-.07	-10	-8
07-31-62 1382176 4147176 5-73					13		14,705	3.52	517						
1426949 ROSNI IVANHOE ELMASTER.....		3	23	1-52	39	2.1	16,675	3.67	612	12	38	-128	+.03	-1	-5
04-05-62 1189870 3632389 5-73					28		17,308	3.62	627						
1427010 ZELDENRUST MASTER PONTIAC.....*		113	1	24-21,23,	133	1.6	15,114	3.23	488	11	88	+360	-.31	-33	-16
02-12-62 1335460 2649438 5-73				31,32,34	54		14,739	3.58	528						
1427011 FORT MADISON SEARS TREASURE...	35-21	63	2	4-35,41,	74	1.5	14,578	3.47	506	18	79	+192	-.12	-11	-3
06-02-62 1385978 4188859 5-73				42,47	23		14,328	3.64	521						
1427026 AJRF SKYHIGH IDEAL ALBERT.....	93-03	4	10	1-92	17	2.6	16,936	3.46	586	13	32	-104	-.04	-9	-11
04-24-62 1349691 4452942 5-73					196		17,580	3.57	627						
1427052 MOOKOWN OPTIMIST.....*	23-09	345	4	14-23,50,	660	2.3	15,028	3.61	542	11	97	+481	-.10	+2	+16
12-28-61 1243697 4397687 5-73				51,63,93	21		14,546	3.73	542						
1427100 PAL-VER REPRIDE BURKE GYP.....		1	36	1-32	36	3.4	15,180	4.01	608	10	30	+217	+.01	+9	+14
01-23-62 934799 4616071 5-73					36		14,462	4.03	583						
1427112 KANAWAKA CAPTAIN.....*		6	5	2-43,48	18	2.4	16,288	3.36	615	6	43	+612	-.11	+5	+23
02-10-62 1144239 3770972 5-73					14		17,121	3.58	613						
1427215 BARNARD BLACKIE SKYLINER.....*		9	10	3-23,42,	27	2.2	14,157	3.61	512	25	42	-97	-.03	-8	-9
11-22-61 1244845 4521313 5-73				43	13		14,400	3.71	534						
1427246 MACS HAPPY ACRES IVANHOE MIKE.*		6	3	3-12,13,	10	1.9	12,340	3.50	432	57	33	-260	-.03	-14	-19
03-22-62 1189870 3951257 5-73				15	43		13,036	3.65	475						
1427251 MAT EDGEWOOD ROBARON.....*		18	1	4-35,41,	19	3.6	15,203	3.51	534	7	58	+283	-.05	+3	+11
01-23-62 0102531154 5342448 5-73				45,61	15		14,748	3.59	529						
1427344 FRANLANE PILOT BLACKIE.....	93-10	58	23	11-31,34,	183	1.5	16,714	3.60	601	20	71	-174	+.02	-4	-9
02-28-62 1214152 4174453 5-73				55,56,93	72		17,245	3.58	618						
1427351 ARLO PRIDE.....*		9	3	4-23,35,	15	1.9	14,343	3.58	513	8	43	+82	-.05	-4	-1
05-07-62 1237057 3781955 5-73				51,52	27		14,125	3.72	526						
1427379 ARLINDA ADMIRAL.....*		2	29	1-93	31	1.7	15,759	3.51	553	5	27	-117	.00	-4	-7
05-01-62 1237057 3827015 5-73					132		16,400	3.51	576						
1427381 PAWNEE FARM ARLINDA CHIEF.....*	33-03	1,454	5	44-21,23,	3,066	1.2	17,408	3.69	643	10	99	+1,789	+.08	+77	+117
05-09-62 1383926 4546976 5-73				33,35,41	25		15,735	3.62	570						
1427398 WHITILL FOND HOPE.....*		2	13	1-33	19	1.8	12,803	3.69	473	8	30	-200	.00	-7	-12
03-06-62 0102123300 3866555 9-72					63		13,367	3.71	496						
1427412 ARESKO IDEAL PERFECTO-TWIN....*		7	3	2-52,55	16	1.9	18,361	3.32	610	0	44	+1,379	-.10	+34	+70
04-22-62 1232119 3920695 5-73					47		15,304	3.49	534						
1427535 IDA-ROYAL ADMIRAL FOBES.....*		6	15	4-82,87,	34	1.8	14,082	3.26	459	37	40	+19	-.05	-7	-5
11-01-61 1210378 4684289 5-73				88,93	22		13,995	3.39	475						
1427561 SIBU ARISTOCRAT BLUEBLOOD.....		9	2	2-21,65	17	2.1	14,438	3.47	501	14	47	-10	-.03	-4	-4
03-02-62 1124780 4456322 5-73					17		14,469	3.53	511						
1427598 FERTILE MEADOWS PRINCE PAY BOY		1	27	1-33	27	2.2	12,581	3.74	470	32	26	-447	+.02	-13	-24
06-24-62 1332101 4873705 5-73					16		14,281	3.66	523						
1427615 ROMANDALE DIVIDEND PERFORMER..*	23-09	1,112	7	32-23,50,	3,394	1.4	16,145	3.47	560	11	99	+1,139	-.22	+7	+40
08-05-61 0102571174 0100956217 1-73				51,52,93	27		15,051	3.70	557						
1427644 NESHONOC DEE ANN REWARD.....*		4	10	1-35	23	2.0	12,902	3.79	489	24	39	-421	+.08	-4	-16
05-07-62 1386406 4129362 5-73					12		13,941	3.58	499						
1427651 EHR-DALE ILEX MAJESTY.....*		5	12	3-21,23,	20	2.2	13,520	3.74	506	26	32	-109	+.03	0	-3
01-21-62 1213164 4170680 5-73				52	30		13,801	3.67	506						
1427680 ADDHR VICTOR VELMAN.....*		7	21	2-86,93	36	1.9	14,879	3.68	548	**	36	-160	+.05	+1	-4
03-26-62 1274685 4140531 5-73					299		15,425	3.55	547						
1427708 EAGLE POINT DESIGNS BONUS-TWIN*	23-09	540	4	21-21,23,	1,212	1.2	15,350	3.62	556	12	98	+237	-.07	-2	+6
09-01-62 1237057 4086417 5-73				50,51,52	24		15,187	3.71	563						
1427719 HYLAND COMMANDER CHIEF.....*		2	13	2-15,16	15	2.7	14,579	3.72	543	14	27	-134	+.02	-2	-6
09-09-61 1385800 4479677 5-73					31		15,151	3.67	556						
1427846 DEE-BEE-DEE JO JOE.....*		9	3	3-23,86,	17	1.9	15,060	3.91	589	**	43	-429	+.13	+3	-11
09-28-60 1317840 4243566 5-73				93	45		16,256	3.62	588						
1427872 WIS REVELATION.....*		4	9	1-41	18	3.3	16,452	3.34	549	0	38	+498	-.07	+7	+21
06-12-62 1292880 4250860 5-73					16		15,217	3.50	533						
1427879 WIS MATADOR.....*		5	10	4-16,23,	31	2.9	13,141	3.42	450	10	48	-588	-.07	-31	-43
06-10-62 1330357 3650670 5-73				34,41	175		14,356	3.59	515						
1427983 LITTLE RANCHE SKYLINER TED....		1	29	1-61	29	2.3	13,966	3.42	478	8	27	-193	-.08	-19	-21
08-14-62 1244845 4090150 5-73					24		14,708	3.76	553						
1428104 SUNNYSIDE STANDOUT.....	35-05	532	5	21-33,35,	1,324	1.3	16,622	3.51	584	10	98	+1,140	-.18	+13	+45
03-06-62 1038509 4103183 5-73				41,42,93	24		15,576	3.70	576						
1428145 DUR RAYMOND.....*	33-03	253	4	29-21,23,	396	1.7	16,135	3.49	562	11	95	+794	-.12	+10	+32
06-21-62 1288610 5179452 5-73				35,41,93	29		15,363	3.61	555						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES ND- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS	REC/DAU HM/DAU	MILK HERDMATE	% MILK	% FAT	FAT	% 1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1428146 DUR CHOICE.....*		29	37	7-32,33,	90	2.0	16,225	3.51	570	22	47	+329	-.08	0	+10
12-05-61 1291500 4323166 5-73				34,35,42	47		15,655	3.69	577						
1428234 IRVINGTON HI PRIDE.....*	33-03	80	3	24-21,22,	119	1.6	14,212	3.53	502	10	84	-474	-.04	-22	-32
02-27-62 1250992 4427319 5-73				23,33,52	39		14,619	3.58	531						
1428259 CHAPEL BANK SCOTSMAN.....*		6	26	2-14,21	35	2.7	13,313	3.85	512	13	34	-721	+.07	-17	-36
09-02-62 1395071 4041936 5-73					20		15,539	3.66	569						
1428297 TYLER FARMS SUNBEAM ROCKET....*		9	1	3-12,13,	11	2.2	14,704	3.90	573	0	40	-230	+.12	+8	0
07-21-62 1353381 4248037 5-73				16	20		15,378	3.62	557						
1428336 CEDRIC HOMESTEAD OE KOL.....*		4	10	1-31	15	2.1	11,975	3.66	441	0	30	-49	+.01	0	-1
03-26-62 10017+8 3587157 5-73					12		11,896	3.63	432						
1428347 GREEN MEADOW APOLLO ROCKET....*	34-01	49	8	5-34,41,	96	2.1	13,442	3.79	510	21	75	-378	+.12	+3	-9
05-21-62 010245456 3806125 5-73				42,48,56	135		13,901	3.63	504						
1428348 SUNNYDECK HAPPY SKY OLYMPIAN..*		6	9	1-91	40	2.5	15,609	3.32	518	3	55	+73	-.08	-9	-5
04-11-62 1356794 4344911 5-73					34		15,596	3.46	539						
1428470 ARLINDA A B C STAR.....		1	13	1-93	13	1.8	22,613	3.58	809	**	22	+315	-.02	+8	+16
07-03-62 1276654 3935119 5-73					99		21,948	3.65	802						
1428524 MOOSEHEART PEERLESS.....*	91-11	64	4	12-23,34,	99	2.3	14,161	3.61	511	13	83	-173	.00	-6	-10
05-28-62 1309943 2811265 5-73				35,42,93	17		14,369	3.62	520						
1428532 MEADOWSWEET IRVINGTON STAR....*		1	14	1-35	14	1.8	14,785	3.73	552	**	23	+102	+.01	+5	+7
08-02-62 1237057 3697631 5-73					12		14,328	3.69	529						
1428586 W O T S AJOACIDUS REMER.....*		7	11	1-73	27	1.8	14,696	3.40	500	40	39	+68	+.01	+4	+5
12-09-61 1237747 4504793 5-73					20		14,535	3.35	487						
1428613 HDWACRES HOMESTEAD PLATO.....*	35-05	49	2	6-32,33,	76	2.5	13,708	4.03	552	18	82	-528	+.28	+20	0
04-24-62 1038118 4704457 5-73				35,41,42	19		14,353	3.69	529						
1428634 GLENAFTON RAG APPLE HARTDG....	61-02	154	3	9-31,32,	264	1.5	14,624	3.68	538	14	92	-180	+.05	0	-5
12-05-61 1243697 010672857 5-73				33,65,74	26		14,859	3.64	541						
1428649 WINFARM RAG APPLE MAGIC.....*	33-03	101	13	19-14,21,	210	1.9	16,368	3.51	574	12	82	+395	-.14	-7	+6
06-14-61 1138451 4691783 5-73				23,34,35	34		16,051	3.68	591						
1428683 BADGER MOUND SKY DON.....*		2	15	2-35,51	17	2.6	13,160	3.72	490	12	27	-295	+.04	-5	-13
01-05-62 1244845 4283194 5-73					42		14,228	3.61	513						
1428713 HENKET IVANHOE JIM.....*		9	3	2-23,57	16	2.8	15,062	4.06	615	0	46	+11	+.18	+26	+22
08-17-62 1189870 3860529 5-73					24		15,110	3.72	562						
1428715 ALOISI FARM RION SCHOOLMASTER.*		2	16	1-14	21	3.0	12,595	3.91	492	5	32	-501	+.03	-14	-27
03-30-62 1344641 4533246 5-73					20		14,132	3.82	540						
1428731 WILLAROS MONARK.....*	93-19	11	13	2-42,47	55	2.2	14,922	3.61	538	10	56	+689	-.02	+22	+39
07-14-62 1255021 4342186 5-73					16		13,604	3.65	497						
1428789 PINEYHILL MILKYWAY.....*		8	58	1-23	71	2.6	16,034	3.72	597	19	33	+55	+.01	+3	+4
11-24-60 1295523 4381896 5-73					23		16,034	3.71	595						
1428790 PINEYHILL TIFFANY.....		1	10	1-52	10	1.7	11,668	3.39	396	10	21	+88	-.02	0	+3
03-11-62 1348281 4352840 1-73					21		10,889	3.49	380						
1428792 PINEYHILL MAJESTY.....*		2	6	2-33,93	10	2.4	15,656	3.87	606	11	28	-345	+.07	-3	-13
07-17-62 1348281 5066948 5-73					42		17,176	3.67	630						
1428794 PINEYHILL CAOMUS.....*		7	27	1-21	41	3.2	14,477	3.59	520	6	38	-79	+.03	+1	-2
06-19-62 1295522 4352833 5-73					47		14,722	3.52	518						
1428796 PINEYHILL PONTIAC MILESTONE...*		8	6	1-93	23	1.8	16,459	3.52	580	**	46	-593	+.02	-18	-33
07-15-62 1391977 4809677 5-73					72		18,137	3.49	633						
1428797 PINEYHILL CELEBRITY.....*	35-02	76	2	6-21,22,	103	2.2	14,256	3.68	524	23	86	-554	+.05	-13	-27
09-04-62 1391977 4337481 5-73				34,35,51	18		14,962	3.63	543						
1428809 WALKWAY IVANHOE BEN.....	35-21	371	2	11-35,41,	551	1.7	14,359	3.81	547	18	97	-3	+.13	+19	+15
12-09-61 1189870 4598574 5-73				42,43,47	19		14,360	3.68	528						
1428846 EERDOWELL LINER ETHEL.....*		4	5	1-21	10	1.2	11,855	3.44	408	63	25	-344	.00	-13	-21
05-06-62 1244845 3684996 5-73					28		13,124	3.48	457						
1428852 HAROAV AUDACIOUS.....*		9	1	3-23,31,	10	2.5	14,451	3.55	513	**	39	+107	-.03	0	+3
05-06-62 1237747 3525768 5-73				52	30		14,154	3.62	513						
1428863 DIALANO P C SIMMONE BARNEY....		1	11	1-34	11	2.7	13,540	3.47	470	13	24	-207	-.02	-10	-14
04-06-62 1253032 4279636 5-73					11		14,426	3.58	516						
1428906 SHINES AGAIN ADMIRAL.....		3	6	1-12	12	1.6	14,649	3.31	485	8	29	+134	-.07	-5	0
03-28-62 1210078 3601857 9-72					12		14,157	3.55	503						
1428969 BEACON MODEL FAME.....*		12	11	2-13,21	37	2.5	14,076	3.60	507	**	50	-138	+.01	-3	-7
08-10-62 1148993 4265081 5-73					17		14,349	3.59	515						
1428979 MERCURY ARNDLMONT.....*		6	4	1-23	11	1.7	13,737	3.63	499	**	32	-150	+.01	-4	-8
10-13-61 010270394 5333998 5-73					14		14,196	3.61	513						
1429083 GREIGS IMPERIAL BURCAR GI.....*	21-10	39	5	3-13,21,	52	2.5	14,073	3.60	507	16	70	-729	+.03	-22	-40
07-26-62 1140763 4487977 5-73				23	29		15,203	3.57	542						
1429165 BDROER ROYALIST.....*		5	140	3-86,91,	150	1.7	16,442	3.52	578	19	30	-153	.00	-6	-10
04-10-62 1305460 4379905 5-73				93	114		17,286	3.53	611						
1429203 HILMAR SKY AAGGIE.....*		2	16	1-93	18	2.2	15,111	3.59	542	**	27	-127	+.03	-1	-5
01-04-61 1244845 3543555 5-73					7		15,715	3.51	551						
1429237 WOODNORTH FURY JOHN.....*		1	11	1-35	11	3.1	14,049	3.85	541	0	25	+157	+.05	+13	+15
04-26-62 1380401 4042425 5-73					17		13,303	3.65	486						
1429239 CULVER LEADER DICTATOR DUKE...*		7	2	2-32,57	10	1.9	13,208	3.85	508	29	34	-392	+.09	-1	-13
08-27-62 1239480 3047893 1-73					10		14,349	3.58	514						
1429305 EDGEWOOD HALL ESQUIRE.....*		4	18	3-81,82,	23	2.0	15,563	3.48	542	22	29	+255	-.04	+4	+11
01-29-61 1244845 3387703 5-73				87	26		14,724	3.61	531						
1429306 JNH LEADER JUNIOR.....*	21-10	55	3	4-11,12,	92	2.9	12,784	3.72	475	12	84	-1,045	+.01	-37	-62
08-31-62 1188528 4031317 5-73				13,14	21		13,986	3.72	520						
1429352 COOPERFIELD SIR DAWN IVAN.....*		6	17	2-13,51	30	2.9	14,731	4.06	598	8	38	-193	+.02	-4	-9
07-29-61 1189870 4715199 5-73					36		15,335	4.05	621						
1429371 VOLHOUDEN SOVEREIGN.....*		2	16	1-91	20	3.1	15,970	4.05	646	5	30	+128	+.15	+26	+25
09-10-62 1258673 4400941 5-73					9		15,675	3.60	565						
1429384 HEERSCHE BEAUTY CAPTAIN.....*		3	33	1-73	59	2.3	15,311	3.57	547	21	40	-133	+.01	-4	-7
04-13-62 1144239 4373948 5-73					45		15,786	3.57	563						
1429395 PENN-GATE POND REFLECTION.....*	33-03	199	7	25-21,23,	345	1.2	14,125	3.54	500	22	91	-911	-.10	-46	-65
07-26-62 1138451 4643806 1-73				31,41,51	26		15,210	3.65	555						

REGISTRATION NUMBER / NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS HM/DAU	REC/DAU HEROMATE	MILK	% MILK	FAT	% FAT	% 1ST INC	% REPT	PREDICTED DIFFERENCES MILK	% MILK	FAT	% FAT
1429436 VINEDALE BURKE IDEAL.....*	61-02	101	3	5-33,34,	155	2.6	13,160	3.66	481	19	89	-954	-.01	-36	-58
C5-23-58 1213415	013802212 5-73			35,61,74	19		14,211	3.68	523						
1429483 ARTEVEL IDEAL FAYNE.....*	93-19	5	41	1-93	124	1.8	19,845	3.48	691	5	52	+826	-.10	+15	+37
C1-20-52 1144239	4736222 5-73				80		18,679	3.62	677						
1429512 DRIDLE HOME BILLVER WAYNE.....*		7	28	3-35,55,	48	2.6	13,557	3.70	501	3	40	+219	-.01	+6	+12
C1-09-61 1357797	2988454 5-73			57	19		12,849	3.75	482						
1429517 IDEAL MAGICIAN JACK.....		4	13	1-64	29	2.1	12,763	3.28	418	26	40	-182	-.02	-10	-14
C9-26-62 1113350	5163362 5-73				27		13,084	3.35	438						
1429519 TEXAL FOREST LEE KISMET.....*		2	55	1-21	57	2.3	15,655	3.33	522	6	29	+376	-.05	+6	+16
C1-26-60 010255999	011050661 5-73				35		14,375	3.46	498						
1429521 TYLER FARMS MAJESTY MARK.....*		1	22	1-16	22	2.6	16,315	3.69	602	9	27	-222	-.01	-10	-15
C9-23-62 1293530	3742261 1-73				21		17,455	3.75	655						
1429522 TYLER FARMS MAJESTY.....*		14	17	2-12,13	66	2.6	13,914	3.83	533	16	57	-411	+.06	-6	-17
C9-29-62 1293580	3374200 5-73				24		14,663	3.74	548						
1429537 LONBRIK CAPTAIN.....*		1	45	1-91	45	2.8	14,094	3.59	506	3	30	-16	.00	-1	-1
C6-08-62 1144239	4347877 5-73				46		14,125	3.62	512						
1429599 ROSAFE PEARL SUPREME.....*		11	29	6-23,31,	88	2.2	12,755	3.45	440	19	52	-441	-.03	-20	-30
11-10-57 010249033	010605815 5-73			52,54,73	28		13,526	3.52	476						
1429635 DLIRLICH MASTERPIECE ECHO.....*		4	8	3-22,34,	18	2.7	13,900	3.97	552	0	37	-305	+.09	+2	-8
12-07-61 1318321	4089449 5-73			35	16		14,771	3.72	550						
1429640 WOODWORTH SUPREME MAX FONDY...	35-75	497	3	33-21,35,	813	1.2	15,559	3.57	556	12	97	+183	-.05	0	+6
C5-02-62 1382768	4238453 5-73			41,55,93	25		15,479	3.62	560						
1429644 JEWELHOLM SYMBOL SUPREME.....*		68	2	6-11,12,	90	2.7	14,987	3.43	514	10	85	+224	-.22	-24	-13
10-07-62 1341149	4446743 5-73			13,14,16	20		14,760	3.70	546						
1429653 MAINWOOD TERRIBLE.....*		9	6	2-13,21	19	2.7	15,901	3.72	592	22	43	+170	+.07	+16	+18
C7-13-62 1189870	3772368 5-73				28		15,631	3.58	559						
1429677 PACLAMAR SENATOR PATRICK.....		2	41	1-84	43	1.2	15,116	3.13	473	**	25	+86	.00	+3	+5
C7-21-62 1252965	4418561 5-73				34		14,810	3.06	453						
1429678 PACLAMAR SENATOR COMET.....*		16	15	6-33,35,	40	2.2	13,891	3.71	515	40	45	-455	+.01	-15	-26
C7-26-62 1252985	3130814 5-73			52,63,74	24		14,953	3.71	555						
1429821 OEE ANN DOUBLE ECHO.....*		23	9	12-21,31,	53	2.2	15,435	3.41	527	16	61	+251	-.12	-8	+1
C3-23-62 1230610	4636502 5-73			48,84,86	46		15,096	3.61	545						
1429844 OE MAAS SPECIALIST-TWIN.....*		9	3	2-91,93	16	2.2	16,005	3.58	573	25	43	-139	-.02	-8	-11
C7-04-61 1354288	3610813 5-73				20		16,543	3.65	603						
1429858 ARNOLMONT MAJESTY OUKE.....*		6	2	1-23	10	1.5	12,211	3.81	465	**	32	-404	+.02	-12	-22
C8-26-62 1293580	4775932 9-72				17		13,366	3.77	504						
1429869 IDEOGRAPH BENEFACTOR SENATOR..*		9	8	3-82,87,	39	2.1	16,124	3.66	590	15	56	-16	+.06	+8	+6
10-03-62 1189324	3718868 5-73			93	49		16,351	3.55	581						
1429902 MALLARY PEACEMAKER.....*		14	2	1-21	21	2.1	14,618	3.43	502	18	54	-228	-.05	-16	-20
C7-24-62 1197095	3938567 5-73				30		15,113	3.53	534						
1429910 WILLIAMS IDEAL VIC.....		1	29	1-43	29	1.8	13,289	3.77	501	**	26	-66	+.02	0	-2
10-04-62 1369949	4251544 5-73				1		13,450	3.72	500						
1429947 MEADOW VIEW PAUL PILOT.....*		9	2	4-12,14,	15	2.1	14,077	3.89	548	17	45	-408	+.17	+9	-5
C8-20-62 1289479	4928408 5-73			16,52	20		15,046	3.52	530						
1429993 NORTEX COMET SKOKIE.....		1	35	1-74	35	1.9	12,750	3.64	464	9	27	-44	+.01	0	-1
C8-17-62 1326532	3949295 5-73				10		12,757	3.64	464						
1430000 NUCKOOALE TIOY BIG BOY.....		1	25	1-52	25	2.8	14,867	3.79	563	4	28	+28	+.03	+5	+5
C8-17-62 1189679	5016941 5-73				9		14,809	3.69	546						
1430006 ORIENT PRIDE C B ROMEO.....*		5	25	1-31	48	2.2	14,204	3.51	499	13	40	-227	+.06	0	-7
C8-29-61 1197678	4653343 5-73				42		14,816	3.37	500						
1430081 LOGIN LEE ROCKETTE MAGICIAN...*		6	4	3-23,31,	12	3.7	14,256	3.69	527	0	40	+109	+.03	+8	+10
C7-22-62 1138451	4273312 5-73			65	10		13,946	3.62	505						
1430096 DELI PABST REENIE PRIDE.....*		3	15	1-33	19	2.3	14,292	3.60	514	13	29	-290	+.03	-6	-14
08-03-62 1395425	4261042 5-73				18		15,412	3.50	539						
1430098 RUSSINWOOD BUSTER.....*		2	9	2-33,64	11	3.4	15,295	3.65	558	0	27	+131	-.03	+1	+5
C9-04-62 1189870	3350583 5-73				19		14,859	3.76	559						
1430106 CHAMBRIC ROYAL NED.....*	61-02	61	2	4-31,32,	90	2.3	13,301	3.67	488	24	84	-989	+.03	-32	-56
05-22-62 1335460	3501635 5-73			33,61	18		14,496	3.64	528						
1430121 FABST ADMIR REBE.....*		2	40	1-34	44	1.9	12,359	3.76	465	24	29	-389	+.01	-13	-22
06-29-62 1358647	4230292 5-73				5		13,650	3.76	513						
1430145 CITATION R MAPLE.....*	35-75	49	29	22-13,16,	125	2.0	16,380	3.63	595	16	60	+827	+.01	+32	+51
C8-03-62 1432073	5652213 5-73			21,23,41	30		15,077	3.61	545						
1430161 ROSEMERE MAGICIAN RIGHTO.....*		3	6	1-31	13	2.8	14,598	3.64	532	0	35	+114	-.01	+3	+6
02-16-62 1138451	4604080 5-73				16		14,257	3.68	525						
1430162 ROSEMERE MAGICIAN RIGHTDA-TWIN	31-02	91	3	10-31,43,	157	2.7	14,494	3.69	535	10	89	+270	+.08	+22	+26
02-16-62 1138451	4604080 5-73			55,56,58	21		14,170	3.60	510						
1430168 CINDY-VALE STAR DAGAN.....	41-01	120	2	8-35,41,	168	2.0	14,895	3.54	527	13	90	+448	-.03	+11	+23
11-24-61 1223243	4474245 5-73			45,82,87	17		14,595	3.57	514						
1430218 MEREDITH RAG APPLE IVANHOE....*		15	2	4-23,51,	22	2.6	13,713	4.01	550	6	56	-596	+.18	+3	-16
C9-22-62 1189870	3808250 5-73			54,73	25		14,829	3.70	548						
1430245 ARDON ADMIRAL GETTIE.....*		4	6	1-93	15	2.7	17,237	3.21	554	7	38	+774	-.14	+7	+29
C5-23-62 1237057	3699965 5-73				28		15,291	3.51	537						
1430271 OLMENTHAL OUKE.....*		1	11	1-21	11	2.6	15,673	3.40	533	0	23	-28	-.04	-7	-7
C9-16-62 1112211	4604038 5-73				9		15,955	3.58	571						
1430274 LADY WOODS JOY CAPTAIN.....*		2	7	1-91	11	2.9	16,825	3.37	567	13	29	+131	-.03	0	+4
03-15-62 1144239	4254473 1-73				28		16,591	3.46	574						
1430321 RAVEN IVANHOE BELL RINGER.....*		3	13	1-23	18	3.2	14,871	3.89	578	0	33	+30	.00	+1	+2
C9-12-61 1189870	4164064 5-73				6		14,821	3.91	580						
1430405 CLOVERTOP ROYAL SENSATION.....*		14	15	6-14,21,	51	2.6	14,209	3.79	539	14	53	-417	+.01	-14	-24
C9-06-62 1335460	4253609 5-73			23,51,54	32		15,074	3.80	573						
1430432 TUSCARORA TORIN MIKE.....*		1	12	1-21	12	2.4	13,646	3.64	497	**	24	-41	+.02	+1	0
05-04-61 1333741	4671337 5-73				12		13,760	3.57	491						
1430453 EOH ADMIRAL NIS TRIUNE.....		2	9	1-73	12	1.2	12,997	3.23	420	42	23	-223	-.03	-12	-17
11-06-61 1363519	4349125 5-73				14		13,937	3.41	475						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF OAU /HO	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... OAUS	REC/OAU HEROMATE	MILK	% FAT	FAT	% 1ST INC	REPT %	PREDICTED DIFFERENCES MILK	% FAT	FAT $$
1430467 JANELAND CAPTAIN DUKE.....*		7	11	1-34	40	2.3	16,054	3.43	551	21	52	+496	-.11	+2 +17
07-25-62 1144239 4846288 5-73					26		15,183	3.63	551					
1430612 NOEL ELLEN IVANHOE.....*		25	50	5-21,23,	117	2.9	13,614	3.45	470	5	50	-761	-.06	-36 -53
02-02-62 1189870 3561144 5-73				31,55,73	29		15,224	3.59	547					
1430733 OALE OELIGHT IOEAL MAJOR.....*		3	9	2-42,55	12	2.2	15,844	3.77	597	0	27	+445	-.02	+13 +24
06-08-62 1230082 4299751 5-73					21		14,167	3.89	551					
1430750 HUTCH RAG APPLE HARVESTER.....*		8	2	2-34,63	13	2.2	14,612	3.66	535	50	41	+1	+.01	+1 +1
09-22-61 010239301 5116620 5-73					56		14,633	3.65	534					
1430790 VALLA VISTA PRDUO GREAT.....*		12	7	3-61,63,	29	2.4	13,083	3.54	463	20	50	-437	-.04	-22 -31
08-15-62 1243399 4425760 5-73				65	19		13,908	3.65	507					
1430824 MALLARY REWARD.....*		9	6	5-11,12,	21	2.7	16,654	3.58	596	0	45	+62	-.08	-9 -6
09-26-62 1374719 3934892 5-73				13,16,21	22		16,750	3.76	630					
1430833 HILLSIDE PHYSICIAN.....*		2	17	1-23	19	1.9	13,177	4.00	527	21	26	-291	+.04	-5 -13
05-27-62 1321903 3846713 5-73					24		14,314	3.87	554					
1430870 MOON GLOW ADMIRAL OUNLOGGIN...*		2	6	1-93	10	2.6	16,781	3.58	600	50	28	+64	.00	+3 +4
07-23-62 1237057 3511262 5-73					38		16,793	3.57	599					
1430921 OELI PABST MAPLE RULER.....		1	39	1-33	39	2.0	12,077	3.59	433	19	27	-345	+.01	-11 -19
07-21-62 1385036 3437316 5-73					11		13,235	3.57	473					
1430940 OEL-VAC TRANSMITTER OELIGHT...		1	17	1-93	17	1.0	21,474	3.36	722	**	20	+257	-.01	+8 +14
02-04-61 1322863 4779026 5-73					20		20,848	3.35	699					
1431003 PLATTCO SKYLARK.....	93-16	12	11	3-82,91,	41	1.9	19,020	3.34	635	3	32	+732	-.08	+14 +34
08-17-62 1244845 4015394 5-73				93	104		17,956	3.44	617					
1431026 BUTTERFIELD IVANHOE.....*		4	6	1-55	20	2.8	15,352	3.34	512	0	44	+35	+.01	+3 +4
02-21-62 1189870 3343033 5-73					33		15,371	3.27	503					
1431036 PAWNEE FARM ADMIRAL.....		2	8	1-48	10	2.1	14,365	3.60	517	0	24	+300	-.01	+9 +16
05-12-62 1383926 4311161 9-72					58		12,960	3.67	475					
1431039 KING TELL-STAR ADJUDICATOR....*		1	13	1-31	13	2.5	15,070	3.60	542	0	24	+46	-.02	-1 +1
01-19-62 1324354 5258404 5-73					11		14,931	3.71	554					
1431045 FIDE BARRY ILEX.....*		2	19	1-21	21	2.5	16,198	3.49	565	7	28	+233	+.02	+11 +16
05-24-62 1213164 4803440 5-73					16		15,475	3.41	528					
1431062 EXRANCO FLAMBEAU.....	93-03	7	11	1-93	45	1.7	17,285	3.46	598	10	52	+73	-.07	-8 -4
11-06-62 1098656 4194101 5-73					177		17,450	3.59	627					
1431073 ECHO POINT MAJESTY ORMSBY.....*		3	20	1-23	24	2.6	14,413	3.97	572	22	30	-396	+.07	-5 -16
10-17-62 1293580 5237769 5-73					17		15,912	3.78	601					
1431075 OXSONIC IMPERIAL ROSS.....*		1	11	1-55	11	2.8	15,767	3.69	582	27	24	-90	+.01	-2 -4
08-19-62 1230640 2972317 5-73					16		16,348	3.70	605					
1431086 MONCONY AAGGIE CRAT HARRISON..*		1	37	1-52	37	2.4	13,535	3.57	483	3	28	+161	.00	+6 +10
07-26-62 1222989 4202210 5-73					45		12,804	3.57	457					
1431103 WOODBOURNE PISGAH VIEW CHIEF..*		15	28	3-21,23,	73	2.3	13,912	3.69	514	17	49	-399	+.02	-11 -21
11-22-61 1298430 4299191 5-73				51	11		14,770	3.66	540					
1431142 CHRISTIM VAL LYNN.....	21-01	54	1	2-13,21	59	2.9	15,415	3.44	531	11	80	+216	-.09	-6 +2
07-15-62 1245520 3497717 5-73					22		15,229	3.56	542					
1431216 PACLAMAR SENATOR GOVERNOR.....*		6	26	1-84	35	2.4	16,113	3.38	544	9	33	+145	-.04	0 +4
09-26-62 1252985 5129229 5-73					22		15,819	3.47	549					
1431218 PACLAMAR TRANSMITTER IOEAL....		1	19	1-84	19	2.0	12,574	3.87	486	**	25	-233	+.04	-3 -10
10-20-62 1154225 4813284 1-73					2		13,421	3.74	502					
1431228 INKLAND ADMIRAL BILLY.....*		1	24	1-35	24	2.8	15,127	3.79	574	5	28	-28	+.04	+5 +3
08-29-62 1237057 4835915 5-73					9		15,325	3.65	560					
1431259 WALKWAY REFLECTOR ROY.....*		1	41	1-33	41	3.1	13,266	3.77	500	4	30	-221	+.01	-6 -12
04-07-62 1390658 3872674 5-73					12		13,956	3.75	523					
1431274 THE BLACK KNIGHT.....*		1	27	1-31	27	2.7	15,022	4.07	611	4	28	-207	+.09	+5 -2
12-13-61 010198998 311393943 9-72					13		15,916	3.78	601					
1431337 LONE CEDAR VILLA COLONEL.....		4	5	1-87	15	2.3	16,401	3.37	553	40	36	+413	-.05	+8 +19
03-11-62 1355783 5036610 5-73					11		15,333	3.47	532					
1431357 DIAMOND J DUSTY EVEREST.....		5	164	2-41,93	201	1.8	17,061	3.26	557	9	33	-151	-.03	-10 -13
08-26-62 1205185 3936436 5-73					387		17,869	3.34	597					
1431359 DIAMOND J VAR DUSTY AAGGIE....	35-21	94	3	7-35,41,	145	2.3	14,335	3.55	509	19	89	-108	-.11	-19 -19
10-06-62 1355529 2959915 5-73				42,43,47	16		14,465	3.68	533					
1431388 HARTWIG DJSTIE ARGUS.....*		3	50	2-35,63	61	2.8	13,655	3.76	513	7	34	-200	+.06	+1 -5
06-02-62 1377310 3976497 5-73					41		14,234	3.57	508					
1431546 LAWSRD DUNCAN VIC.....*		10	29	1-21	54	2.6	14,940	3.80	567	10	42	+188	+.04	+13 +16
07-24-62 1324704 4239440 5-73					24		14,503	3.70	537					
1431550 MALTESE CHARMER CENTURION.....*		6	16	1-93	25	2.6	16,102	3.62	583	5	35	-52	+.05	+5 +3
02-22-62 1357743 3788003 5-73					54		16,463	3.49	575					
1431557 CHAMPLAINSIDE IVANHOE ELF.....*		6	31	1-13	93	3.0	17,118	3.51	601	8	55	+675	-.11	+8 +27
12-08-61 1189870 4429108 5-73					43		16,048	3.70	594					
1431612 COMMONWEALTH CSH INKY FOBES...*		9	5	2-57,61	28	1.6	13,714	3.82	524	15	51	-125	+.07	+6 +1
08-23-62 1207281 4099569 5-73					26		13,915	3.68	512					
1431629 OAKMULGEE VICTOR RULER.....*		1	14	1-52	14	2.9	13,985	3.43	480	8	25	-65	-.01	-4 -6
10-15-62 1359029 4222799 5-73					16		14,321	3.48	498					
1431655 BONNIE PINE ADDACIOUS.....		1	19	1-34	19	1.2	12,440	3.75	467	**	22	-505	.00	-18 -30
12-15-61 1237747 3700830 5-73					2		14,812	3.77	559					
1431678 HARMONY CREST IVAN CONNIE.....	33-03	247	3	33-21,23,	390	1.1	15,085	3.67	554	14	94	-82	+.03	+2 -1
07-23-62 1189870 4159125 5-73				41,48,51	26		15,260	3.64	556					
1431711 WESTSIDE VICTOR TITLEHOLDER...*		5	21	2-16,21	28	2.9	14,862	3.51	521	7	34	-101	-.02	-6 -8
08-16-62 1213164 3936134 5-73					31		15,252	3.56	543					
1431712 CROCKER MASTER KEY.....*	23-09	126	4	4-21,23,	201	2.6	13,977	3.83	535	11	90	-182	+.08	+5 -1
09-21-62 1121706 3512964 5-73				31,50	26		14,156	3.75	531					
1431748 S & W MR BESSIE PONTIAC.....*		15	6	5-16,21,	39	3.3	14,453	3.27	473	6	62	-36	-.19	-28 -24
10-25-62 1397752 3769698 5-73				32,33,35	13		14,526	3.59	521					
1431771 BRIGEEN ROYAL PONTIAC ECHO....*	35-03	249	5	21-12,33,	680	2.5	14,679	3.67	539	14	97	-79	-.04	-8 -9
11-20-62 1397752 3862151 1-73				35,41,43	23		14,803	3.73	552					
1431838 ALDERHURST LUCIFER FOREMOST...		1	25	1-32	25	2.2	14,711	3.77	555	17	27	+318	.00	+12 +19
08-07-62 1304048 4716691 5-73					6		13,424	3.81	511					

REGISTRATION NUMBER	NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HO	STATES ND- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS HM/DAU	REC/DAU HEROMATE	MILK	% MILK	FAT	% FAT	% 1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1431863	PABST ADMIRATION BELMONT.....*		3	9	2-35,63	13	3.8	12,566	4.16	523	0	31	-457	+.13	+1	-13
C7-07-62	1358647 4359023 5-73					30		14,025	3.71	520						
1431895	WALTSONS ADMIRAL BURKE.....		2	12	2-41,42	18	2.4	14,287	3.32	474	6	32	+127	-.07	-5	0
C8-15-62	1237057 4920915 5-73					4		13,836	3.54	490						
1431902	BDN-DD-LAR CRISTY MAX.....*		9	11	5-82,84,	48	1.8	14,507	3.56	516	19	54	-391	+.04	-9	-19
C3-01-62	1382768 4125760 5-73				85,86,87	59		15,324	3.50	536						
1431921	MAPLECREST SENSATION.....*		4	14	2-33,34	41	2.2	12,771	3.61	461	28	47	-455	.00	-16	-27
10-28-62	1267271 4762211 5-73					18		13,671	3.62	495						
1431977	CLOVERBROOK LEADER DON.....		3	24	1-42	50	1.8	17,189	3.43	590	20	41	+528	-.11	+3	+18
10-21-62	1315612 4378608 5-73					23		16,663	3.68	591						
1431989	SKYWAY COMBINE ESTEEM.....*	33-03	74	3	14-13,21,	138	1.9	14,661	3.44	505	17	87	-52	-.13	-21	-19
C7-20-62	1358263 5107515 5-73				32,41,42	23		14,759	3.60	532						
1431992	SKYWAY COMBINE LAD.....*		12	21	3-41,42,	45	2.3	13,734	3.47	476	21	43	-231	-.05	-15	-19
09-25-62	1358263 4597344 5-73				47	12		14,257	3.60	513						
1431993	SKYWAY COMBINE ROYAL.....*		13	6	2-35,42	30	2.5	13,818	3.43	474	7	55	-117	-.11	-20	-20
10-07-62	1358263 4717635 5-73					16		13,993	3.65	511						
1432018	SOVEREIGN BROWNDALE JOHANNA...*		5	22	1-31	51	2.7	14,424	3.82	551	9	47	-30	-.01	-3	-3
C7-25-62	010233528 010978628 5-73					19		14,502	3.88	563						
1432020	INGLIS ZEB SEARS.....	41-01	146	2	7-41,45,	189	1.8	14,245	3.58	510	14	91	-121	-.02	-7	-9
03-05-62	1385978 4918265 5-73				46,82,87	17		14,377	3.61	519						
1432045	EDGEWOOD HALL ECHO COURIER....		5	40	2-91,92	62	2.8	15,663	3.69	578	13	39	+48	+.08	+13	+12
C4-21-62	1189870 5022601 5-73					39		15,666	3.50	548						
1432061	SUTER JDLIAM RIPPER.....*		6	22	1-35	37	2.2	12,902	3.75	484	0	37	-833	+.02	-28	-48
10-14-62	1211183 4472814 5-73					11		15,221	3.72	566						
1432086	LUDWIG HI HOPE DANNY.....*		3	10	1-42	24	2.2	12,744	3.73	475	0	40	-589	+.05	-14	-29
10-08-62	1250992 4939159 1-73					10		14,183	3.61	512						
1432095	R J K STANDOUT PONTIAC.....		1	12	1-35	12	2.6	14,462	3.67	531	30	24	+110	-.02	+1	+4
C7-09-62	1118038 2768552 5-73					26		13,950	3.78	528						
1432120	LIBERTY JERRY.....		1	11	1-43	11	1.0	12,424	3.55	441	**	18	+97	.00	+3	+5
08-23-62	1138441 5015667 1-73					23		11,615	3.59	417						
1432170	MEISEGEIER BARNEY A B C.....*		2	32	1-35	36	3.3	14,971	3.71	555	6	32	-127	+.03	0	-4
06-14-62	1331314 4292666 5-73					9		15,480	3.63	562						
1432187	CASH-MAR MAX GERRY.....*		17	2	5-15,31,	23	2.5	14,732	3.57	525	12	58	-8	+.01	+1	+1
C9-29-62	1382768 4669546 5-73				32,55,64	19		14,753	3.55	524						
1432188	CASH-MAR MAX MASTER JERRY.....*		3	28	2-33,35	35	2.3	13,888	3.49	485	5	32	-83	-.02	-6	-7
10-11-62	1382768 4051749 9-72					17		14,127	3.57	505						
1432204	VALENTINE IRV MAJOR-TWIN.....*		4	8	1-84	17	2.7	12,911	3.78	488	0	37	-654	+.03	-20	-36
C7-12-62	1237057 4352643 9-72					13		14,723	3.72	547						
1432243	REFLECTION OAK RIDGE GLADIATOR*		8	18	2-74,93	64	2.3	17,579	3.56	626	9	54	+51	-.01	0	+2
11-02-61	010198998 011074782 5-73					63		17,829	3.59	640						
1432259	OATS FARM BENEFACTOR.....*		10	4	4-23,88,	28	2.0	15,539	3.60	559	4	55	-40	+.01	0	-1
06-01-62	1199324 4571516 5-73				91,93	32		15,750	3.59	565						
1432311	JERGENS TYCOON LEANDER.....		1	37	1-41	37	2.7	15,469	3.45	534	11	29	+133	-.03	+1	+5
03-12-62	1341564 3950587 5-73					9		15,077	3.54	533						
1432314	GERART SIR CRESCENT PILOT.....		1	14	1-42	14	1.9	10,916	3.91	427	15	23	-147	+.05	+2	-3
08-25-62	1379950 4762667 1-73					2		11,253	3.60	405						
1432320	MADCAP PONTIAC SPERGER.....*		2	33	1-41	35	2.4	12,712	3.61	459	3	29	-96	-.02	-6	-8
C9-03-61	1251140 4272538 5-73					9		12,897	3.72	480						
1432325	JOHNABES LLD-CAR CALIBAN DUKE.		1	10	1-31	10	2.0	12,780	3.32	424	50	21	-331	-.06	-21	-27
11-19-62	1246183 4034784 9-72					6		14,356	3.69	530						
1432347	JED-ACRES SOVEREIGN POSCH.....*		2	24	1-21	26	3.0	16,318	3.44	562	0	30	+73	-.03	-1	+1
C7-20-62	1213098 4322418 5-73					11		16,258	3.52	573						
1432351	HAWKHERST MARQUIS REFLECTOR...*		22	30	7-35,84,	124	2.4	15,987	3.51	561	9	61	+365	-.03	+9	+18
C2-27-61	1459996 010931444 5-73				85,86,87	60		15,500	3.54	549						
1432384	SPARKO PEARL LEADER.....*		1	10	1-34	10	2.5	15,674	3.59	563	**	23	+50	+.01	+3	+4
12-08-62	1150470 4192289 5-73					13		15,573	3.56	554						
1432424	ODRO RAVEN TWISTER.....*		2	26	1-93	28	2.9	16,929	3.66	620	0	30	+266	-.02	+6	+13
C7-27-62	1113350 3764739 5-73					54		16,229	3.75	609						
1432436	VALLA VISTA MAJO P D G.....*		2	11	1-42	21	1.8	11,865	3.68	437	7	34	-299	+.02	-8	-16
11-12-62	1397871 5244576 5-73					18		12,571	3.64	458						
1432457	VER-LOU GOLDEN CONSTELLATION..*	33-03	145	8	28-21,23,	279	1.3	15,564	3.60	561	14	88	+102	-.02	+1	+4
07-28-62	1215448 4107050 5-73				31,32,35	22		15,565	3.63	565						
1432539	ZELDENRUST MAX.....*		11	40	1-34	60	2.0	14,576	3.57	520	22	36	-201	.00	-7	-12
10-24-62	1382768 4371258 5-73					25		15,227	3.57	544						
1432575	ROAMER SEQUDIA JD STAR ROAMER.*		5	3	2-31,32	11	1.2	13,272	3.88	515	33	30	-296	+.10	+4	-6
C9-11-62	1274923 4165185 1-73					13		14,238	3.51	500						
1432732	ROCK BROOK IDEAL DUKE.....		3	9	2-41,42	12	1.6	12,928	3.50	453	0	25	+105	-.01	+3	+6
12-12-62	1293580 4315590 5-73					37		12,294	3.51	432						
1432733	FLEETRIDGE MONITOR.....	35-75	388	4	36-16,23,	706	1.2	16,244	3.60	585	11	96	+698	-.01	+24	+41
C1-01-62	1189870 4511936 5-73				35,41,93	26		15,643	3.61	565						
1432737	ELM RIDGE CELEBRITY COMET.....*		1	23	1-35	23	2.7	13,107	3.84	503	0	27	-298	+.07	-1	-10
C7-02-62	1395838 4373956 5-73					8		14,195	3.59	510						
1432742	ELM RIDGE HIGHBOY COMMANDER...*		3	23	1-35	27	2.7	14,688	4.15	609	15	30	+88	+.06	+12	+13
C6-09-62	1313972 4373955 5-73					23		14,399	3.99	575						
1432746	WALHOWOOD IVANHOE TELSTAR.....*		2	39	2-12,13	41	2.7	15,286	3.74	571	3	30	-144	+.05	+2	-3
C7-19-62	1189870 4453522 5-73					34		15,926	3.59	571						
1432774	MAPOVAL SWEET CROSS.....*		16	13	2-23,51	41	3.5	14,484	3.91	567	0	53	-134	+.12	+12	+6
C9-27-62	1378594 3922102 5-73					32		14,778	3.70	547						
1432805	SYCAMORE VIEW CRES JD BD.....*		7	9	1-33	25	2.0	14,407	3.44	495	0	43	-5	-.03	-4	-3
C7-08-62	1174329 4680342 5-73					58		14,425	3.50	505						
1432844	WISOF KING GATES.....*		10	21	2-35,42	41	2.5	16,784	3.82	641	3	41	+591	-.03	+17	+32
C9-22-62	1234490 3789221 5-73					24		15,459	3.93	608						
1432881	RETLAW IDEAL ELAINE ROMAN.....*		6	14	2-41,42	39	2.5	12,657	3.59	455	14	47	-286	.00	-10	-17
11-09-61	1342677 4927072 5-73					10		13,145	3.61	474						

REGISTRATION NUMBER / NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS	REC/DAU	MILK	%	FAT	% FAT INC	1ST	REPT	PREDICTED DIFFERENCES MILK	%	FAT	$$
1432888 BLACKMOUNT IVANHOE MARKSMAN...		4	24	1-12	34	2.4	14,607	3.95	577	30	34	+8	+.04	+6	+5
07-12-62 1189870 4718663 5-73					24		14,605	3.85	563						
1432910 BELL FLOWER B B LAD BUSTER....*		1	21	1-54	21	1.0	13,546	3.70	501	**	21	-221	+.04	-3	-9
12-06-62 1122127 3722831 5-73					6		14,625	3.56	521						
1432942 ELLINGDALE SKOKIE DESIGN.....		1	17	1-35	17	2.7	13,522	3.92	530	38	25	-356	+.03	-8	-17
04-03-62 1298378 4114241 1-73					6		15,013	3.81	572						
1432960 MANCRYCO LADDIE.....		1	41	1-42	41	2.9	14,625	3.56	520	5	30	+183	-.03	+2	+7
10-22-62 1371548 4736612 5-73					16		13,964	3.67	513						
1433106 HAHNS IVANHOE ARIST KING.....*		9	1	1-21	10	2.8	16,272	3.42	556	10	40	+474	-.04	+11	+23
07-11-62 1189870 5101729 5-73					21		15,178	3.49	530						
1433178 CARLKIN CAPTAIN ROBURKE BOLD E*		2	7	1-52	13	2.1	11,854	3.64	432	**	30	-493	+.01	-16	-28
09-20-62 1171797 4680487 5-73					10		13,377	3.63	485						
1433225 STARDELL PROGRESSOR.....		9	9	1-42	24	2.4	13,912	3.67	510	24	43	-212	.00	-7	-12
10-10-62 1237057 5014926 5-73					10		14,414	3.68	530						
1433254 LEVEL LAWN OYNJD.....		4	25	1-35	42	3.0	15,934	3.53	563	8	40	+335	-.05	+5	+14
04-09-62 1244845 4819803 5-73					7		15,173	3.64	553						
1433269 FO-MA-TO-SA PROUD FALCON.....	35-21	230	4	10-35,41,	351	1.2	15,250	3.45	526	15	93	+70	-.21	-28	-21
09-25-62 1237057 4425781 5-73				42,47,48	19		15,261	3.68	562						
1433288 NACHES TALENT SCOUT.....*		4	36	1-48	53	2.6	16,088	3.69	594	23	37	-28	-.01	-3	-3
10-19-62 1359798 3832032 5-73					16		16,363	3.75	614						
1433293 ELMOKA HOMESTEAD OSCAR.....*		2	17	1-35	19	2.6	12,543	3.69	463	0	28	+22	-.01	0	+1
12-06-62 1262987 5205977 5-73					6		12,250	3.77	462						
1433340 JA-SAL BLACK LEADER.....*		14	24	6-23,41,	53	2.7	17,695	3.61	638	15	45	+290	+.02	+14	+20
10-04-62 1313490 4263606 5-73				46,48,73	34		17,350	3.56	618						
1433361 THONYMA ORMSBY LEADER PILOT...*		8	10	3-35,47,	28	2.6	15,741	3.56	561	14	45	-180	-.02	-10	-14
01-09-62 1196645 4410789 5-73				48	16		16,342	3.63	594						
1433365 SAWYER CHANCELLOR POLKADOT....		2	8	1-21	13	2.3	13,115	3.39	445	0	29	-309	+.01	-10	-18
07-31-62 1324003 4197905 5-73					26		14,175	3.39	481						
1433368 HEFFERING IVANHOE PATHFINDER..*		55	4	15-16,21,	112	1.9	14,498	3.60	522	20	82	-655	-.05	-31	-45
12-13-62 1189870 4212666 5-73				23,51,52	44		15,396	3.67	565						
1433447 IDAHO BURKGOV TWENTYONE.....	31-07	106	3	11-34,41,	181	1.9	15,036	3.66	550	10	90	+398	+.07	+24	+32
12-06-61 1223243 3999292 5-73				81,82,87	22		14,615	3.59	524						
1433525 LODESTAR GOLDEN NUGGET.....*		2	41	1-22	48	2.7	13,729	3.59	493	11	32	-58	-.04	-8	-8
07-15-62 1269391 3495380 5-73					17		13,858	3.76	521						
1433533 RO-BAR GOOD GOVERNOR DALE.....*		1	14	1-42	14	3.1	13,653	3.44	470	7	26	-134	-.01	-6	-9
12-20-62 1380927 4953248 5-73					12		14,152	3.50	495						
1433539 ZIMMERMAN ROYAL STAR DEAN LAD.*	23-01	31	11	11-21,23,	100	1.7	14,848	3.74	555	22	70	-203	-.09	-20	-23
09-23-61 1009372 4426317 5-73				33,41,52	18		15,221	3.89	592						
1433567 MIL-KEY COMET SOVEREIGN.....*	93-19	164	7	27-23,35,	289	1.2	14,818	3.58	531	18	89	-409	-.04	-21	-30
07-13-62 1437235 5267535 5-73				41,42,91	21		15,376	3.64	560						
1433672 STALLINGS SKYBOY.....	41-01	48	2	3-41,46,	62	2.4	14,438	3.48	503	12	79	-230	-.04	-14	-18
05-11-62 1244845 3512946 5-73				87	15		14,769	3.54	523						
1433675 BLUEGILL PONTIAC SUPREME.....*	93-19	13	16	4-21,23,	49	2.1	16,376	3.76	616	15	49	+573	+.10	+36	+47
12-14-62 D10260599 5499317 5-73				46,55	19		15,291	3.56	545						
1433684 ROCKING R POND TOPPER.....*		2	10	1-14	12	1.8	12,117	3.90	473	50	23	-381	+.04	-8	-18
05-01-62 1250992 4651589 5-73					27		13,695	3.75	513						
1433722 ROMEY COLANTHA PILOT.....	35-21	28	2	4-33,35,	39	2.1	14,913	3.76	560	10	69	+287	+.05	+18	+23
01-14-62 1175596 3719956 5-73				41,52	16		14,508	3.69	535						
1433764 WESTEDGE PABST LARRY.....		1	11	1-41	11	2.2	12,603	3.36	423	27	23	-242	+.01	-8	-14
11-09-61 1320622 4937554 9-72					10		13,598	3.38	459						
1433782 KARANA REFLECTION MARQUIS.....*		4	17	1-93	22	3.3	16,303	3.72	606	**	33	-13	+.05	+7	+5
08-03-62 1321903 4559425 5-73					39		16,561	3.57	592						
1433785 BIRDLAWN TOGUS REMER.....	35-75	168	2	28-35,41,	208	1.3	14,832	3.81	565	16	91	-256	+.19	+18	+7
07-24-62 1181029 4435643 5-73				55,91,93	29		15,195	3.61	548						
1433796 ROCKTOP ROYAL MASTER.....*		2	7	1-34	10	1.9	14,742	3.68	542	10	25	-136	+.04	+1	-3
12-15-62 1380945 4712845 5-73					14		15,381	3.50	539						
1433819 CLARKSDALE OUNLOGGIN ANDY.....		3	53	1-31	64	2.3	16,145	3.39	548	19	33	-15	-.04	-5	-5
11-12-62 1373868 4592909 5-73					20		16,395	3.51	575						
1433843 LOUDEN HILL IVANHOE.....*		9	8	4-21,23,	33	1.8	13,043	3.67	479	32	49	-281	+.02	-8	-15
05-04-61 1189870 4860645 5-73				31,50	83		13,530	3.67	496						
1433861 FRA ILEX WINTERTHUR.....*		1	40	1-21	40	3.7	13,723	3.47	476	8	31	-173	-.01	-8	-12
07-25-62 1213164 3335397 5-73					44		14,274	3.53	504						
1433876 HARVEY DICTATOR MAOCAP PAPOOSE*		3	5	1-35	11	2.0	14,291	3.45	493	**	30	+263	-.06	+1	+9
10-12-62 1234073 3523536 5-73					12		13,300	3.65	486						
1433885 WOODBINE IVANHOE DANDY.....*	23-13	73	3	6-23,50,	112	1.4	15,312	3.73	571	15	83	+248	+.05	+16	+21
08-03-62 1189870 4591067 5-73				51,54,93	35		15,082	3.68	555						
1433911 THONYMA DIPLOMAT.....*		3	8	2-43,48	11	3.6	13,334	3.67	490	11	30	-236	+.03	-4	-10
05-10-62 1196645 4650614 5-73					53		14,096	3.58	505						
1433912 THONYMA STYLIST.....*	35-05	34	2	8-34,35,	42	1.0	14,766	3.49	516	12	60	+204	-.10	-7	0
07-06-62 1196645 4204563 5-73				41,42,65	51		14,465	3.66	529						
1433914 THONYMA STYLEMASTER A.....*		3	21	3-43,71,	25	3.1	16,159	3.58	578	13	31	+327	-.02	+9	+17
09-02-62 1355784 4951249 5-73				73	28		15,176	3.64	552						
1433937 STEVOLYN PRINCE OSCAR.....*	63-03	13	2	4-61,63,	22	2.4	12,620	3.65	460	24	55	-371	+.02	-10	-19
07-15-62 1121706 3883825 5-73				65,72	16		13,173	3.61	476						
1433942 DALEFORD LEADER SIR JOE.....		2	17	1-45	24	3.5	13,197	3.58	472	5	35	-38	+.01	0	-1
07-11-62 1329581 4125612 5-73					15		13,190	3.55	468						
1433962 STEVEHOLM FOREMOST ANDY.....*		3	5	1-11	13	2.5	14,109	3.49	493	0	35	-167	+.01	-5	-9
10-22-62 1373710 3367306 5-73					12		14,609	3.48	509						
1434021 STEWARTCREST DAN.....*		4	3	1-23	10	1.2	11,233	3.35	376	17	29	-506	-.06	-26	-37
08-29-62 1125395 4597817 5-73					14		12,819	3.62	464						
1434068 LEA INN REGAL JO ACE.....*		11	2	3-41,42,	14	2.0	13,127	3.65	479	18	45	-271	+.02	-7	-14
12-09-62 1401552 4731220 5-73				47	10		13,654	3.62	494						
1434088 BRIARHILL ADMIRAL MODEL-TWIN..*		19	6	10-11,14,	68	1.2	15,538	3.38	525	8	67	+46	-.13	-17	-13
09-02-62 1247704 3849257 5-73				15,23,48	46		15,589	3.57	556						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... OAUS	REC/OAU HM/DAU	MILK HEROMATE	% MILK	FAT %	% FAT	1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1434100 FAIR HILL IVAN MARC.....*	23-09	544	7	14-21,23,	1,362	1.3	14,346	3.72	534	16	98	-535	+.01	-18	-31
10-23-62 1189870 3319994 1-73				50,51,52	24		14,951	3.73	557						
1434139 GREEN VALE PRIDE ADMIRAL.....*		5	16	2-34,35	33	1.8	15,031	3.57	537	24	38	-427	-.02	-18	-28
04-24-62 1237057 4151367 1-73					34		16,370	3.63	595						
1434140 RICH-VAL CONFIDENT.....*		10	10	5-12,13,	28	3.1	14,807	3.80	562	14	46	+90	+.07	+13	+13
07-13-61 1189870 4880648 5-73				14,16,54	20		14,635	3.65	534						
1434166 MONTLAND MAGICIAN SPARKY.....		2	14	1-34	16	2.9	17,122	3.89	666	9	28	+306	+.10	+25	+30
08-17-62 1138451 4877936 5-73					14		16,187	3.60	583						
1434193 RELTUB ADMIRAL WALKER KING....*		1	12	1-86	12	1.8	15,952	3.79	605	13	22	-31	+.05	+6	+4
05-01-62 1345229 3838623 5-73					73		16,292	3.59	585						
1434217 M V B A SKYMASTER EMMA HOLLIS.	41-01	138	2	5-41,42,	175	1.6	14,658	3.46	507	11	90	+168	-.12	-11	-4
06-01-62 1251140 4892288 5-73				45,46,87	16		14,481	3.60	521						
1434239 HAYSSEN SHAMROCK INTRIGER.....*		1	14	1-35	14	3.2	14,707	3.61	531	7	26	-139	+.01	-4	-7
01-07-63 010260599 5130963 5-73					12		15,347	3.62	555						
1434241 WILCURT TEMPLAR.....		1	24	1-52	24	2.3	13,379	3.75	502	6	27	+4	+.01	+1	+1
10-01-61 1189870 4651289 5-73					13		13,250	3.76	498						
1434264 PENNINGS RAG APPLE SUPREME....		1	29	1-23	29	2.4	15,726	3.47	546	16	27	+35	-.01	0	+1
11-06-61 1522069 4510203 5-73					10		15,732	3.52	554						
1434289 HOMESTEAD FARM SHAMROCK BICKS.*		6	21	2-22,23	30	2.6	14,567	3.50	510	21	34	-235	-.04	-14	-19
11-15-62 1372023 4457962 5-73					14		15,361	3.64	559						
1434323 TRE-LEA PRIDE BURKOOV EGBERT..*		4	4	1-21	10	3.0	11,957	3.76	450	10	34	-689	+.08	-14	-32
10-11-62 1038509 5071515 5-73					20		13,915	3.54	492						
1434444 CASH-MAR MAX ORLEAN.....*		7	4	2-43,74	21	2.0	13,647	3.39	463	0	49	+6	.00	0	0
10-26-62 1382768 4975980 5-73					14		13,550	3.37	457						
1434445 CASH-MAR MAX IONA.....*		5	21	2-63,65	34	1.9	13,851	3.58	496	10	35	-323	-.04	-17	-24
11-24-62 1382768 4402344 5-73					11		14,818	3.70	549						
1434468 MIL-KEY REFLECTION SOVEREIGN.*		5	33	4-81,82,	45	2.2	13,503	3.53	476	5	34	+115	+.02	+7	+9
10-06-62 010229512 4890650 5-73				87,91	24		13,031	3.43	447						
1434519 SEQUOIA VELOUR PILOT.....		8	18	2-86,93	33	1.7	16,720	3.34	559	**	36	+152	-.04	0	+5
08-14-62 1342072 3627039 5-73					78		16,513	3.42	565						
1434535 PICKITT ACRES GOLD KING.....*		6	7	3-32,34,	20	2.8	15,011	3.55	533	7	42	+120	-.05	-3	+1
01-07-62 1326796 4076232 1-73				63	13		14,764	3.68	544						
1434538 GREEN VALE SENATOR S.....*		2	10	1-34	15	3.1	15,360	3.59	552	8	32	+550	-.03	+16	+30
11-01-62 1301736 4425803 5-73					19		13,526	3.69	499						
1434575 N J H LARRY NABOTH.....*		1	22	1-73	22	1.6	13,145	3.55	466	38	24	-201	+.01	-6	-11
10-18-62 1296494 4344116 5-73					25		13,960	3.53	493						
1434592 SPRUCE LAWN SEVEN.....	61-02	20	1	2-31,61	22	2.2	13,131	3.57	469	10	58	-486	+.04	-12	-25
07-29-62 1314925 2778214 5-73					17		13,923	3.51	489						
1434642 ELMEN CRISSCROSS OLIVER.....*		5	5	4-21,33,	14	2.6	13,158	4.13	543	0	37	-516	+.16	+3	-13
11-30-62 1378594 3615974 5-73				34,35	273		14,587	3.67	536						
1434649 HIJOS-HILL SUPER IVANHOE.....		1	22	1-23	22	2.4	15,871	3.65	579	9	26	+348	-.02	+9	+18
12-10-62 1189870 4548104 5-73					65		14,542	3.76	547						
1434659 SEQUOIA PILOT LAWN.....		1	55	1-86	55	2.1	15,347	3.36	516	6	28	+144	-.02	+2	+6
06-12-62 1342072 4977319 5-73					32		14,888	3.41	507						
1434661 SAGUARO WISCRU JABIN.....		1	53	1-86	53	2.3	14,539	3.50	509	4	29	-82	+.03	+1	-2
08-12-62 1314925 4605603 5-73					31		14,877	3.39	504						
1434713 LANTLAND ROSAFE ROSE.....*		2	19	2-21,23	23	2.5	15,062	3.33	501	5	30	-52	-.06	-10	-10
10-18-62 010260599 4007658 5-73					16		15,333	3.52	539						
1434756 REFLECTION IVANHOE GLAMOUR BOY	31-07	273	5	7-51,52,	716	1.2	15,046	3.58	539	12	96	+418	-.01	+14	+24
11-30-62 1392774 4006344 1-73				54,55,61	27		14,635	3.59	525						
1434768 SENSATION HARDY FARMS PABST...*		1	17	1-34	17	3.1	12,233	3.66	448	**	27	+85	+.02	+6	+7
09-01-62 1267271 5264368 5-73					27		11,643	3.56	415						
1434788 E M C GOLD BEAU LEADER.....		1	54	1-93	54	2.2	16,415	3.80	624	**	29	-320	-.03	-16	-23
08-24-62 1277613 4429760 5-73					74		17,893	3.91	700						
1434846 NESHAMINY IVANHOE THELMA DUKE.*		5	14	3-22,23,	21	2.6	14,590	3.43	500	11	33	-9	-.09	-13	-11
04-12-62 1189870 4042374 5-73				55	32		14,647	3.73	546						
1434849 WELCH ACRES CHARIOTEER BEN HUR*		6	5	3-11,12,	13	2.2	14,203	3.91	555	8	33	-377	+.10	0	-11
09-21-62 1254887 4228630 5-73				14	20		15,443	3.63	561						
1434967 EVERTOPS GOLDEN CROSS.....*		2	44	2-35,61	46	2.0	12,539	4.11	515	14	28	-243	+.09	+4	-4
01-24-63 1378594 4372881 5-73					14		13,304	3.74	497						
1435014 TWINGAP RICH ASSET.....*		2	15	1-23	17	2.8	15,863	3.64	578	0	28	+411	-.02	+12	+22
03-05-62 1348281 3327917 5-73					32		14,367	3.74	538						
1435026 JAN-AR ROBURKE CITATION R.....*		18	4	4-23,31,	34	2.0	14,672	3.46	508	14	59	+177	-.07	-4	+2
09-14-62 1492073 4589278 5-73				32,34	21		14,369	3.60	517						
1435061 OENOVO TRUSTEE DESIGN ABE.....*		2	10	1-51	20	2.6	13,149	4.14	544	16	36	-782	+.10	-15	-36
08-19-62 1246308 3994206 5-73					26		15,407	3.87	596						
1435064 MOOKOWN DELIGHT.....*	61-02	81	2	10-21,31,	118	1.8	15,401	3.64	560	12	85	+455	+.02	+19	+29
09-17-62 1243697 4617504 5-73				33,61,74	26		14,921	3.62	540						
1435095 SANDHURST SEILING ROCKET.....*	31-07	524	5	18-31,33,	1,254	1.4	15,068	3.77	568	12	98	-38	+.11	+14	+10
12-12-62 010252803 4851129 5-73				35,61,84	24		15,187	3.67	558						
1435099 SPEICH OEAN CINDY SNOOPER.....		2	23	1-35	25	3.2	13,825	3.62	500	6	30	+46	-.01	0	+1
08-02-62 1355220 4923939 5-73					20		13,593	3.68	500						
1435101 OLEY SPRINGS IVANHOE GOVERNOR.*		3	9	2-22,23	13	3.3	13,282	3.54	470	17	29	-321	-.05	-18	-24
09-17-62 1189870 4303907 5-73					30		14,381	3.72	535						
1435117 EDGEMAR PRIDE ADMIRAL.....	93-17	6	163	1-93	191	2.4	17,979	3.58	661	4	34	+268	.00	+10	+16
10-17-62 1237057 3899804 5-73					152		17,501	3.68	644						
1435174 KNOB LICK MISTER MODEL.....*		4	8	2-61,63	14	3.9	15,554	3.65	568	15	35	+98	.00	+4	+6
08-09-62 1359791 4968223 5-73					22		15,376	3.64	560						
1435214 GOPATISTEAD AUDACIOUS ANTHONY.		2	9	1-33	18	2.1	11,632	3.78	440	8	34	-257	+.02	-7	-14
02-17-62 1237747 3061455 5-73					16		12,160	3.76	457						
1435216 TIFFIN HAWTHORNDEN SIR GEORGE.*		5	35	1-31	54	2.4	13,138	3.46	454	10	38	-404	+.03	-10	-20
08-19-62 1235054 3247984 5-73					32		14,198	3.37	479						
1435242 MOOIK CRESCENT MAP.....		1	13	1-34	13	2.5	12,849	3.55	456	**	25	-208	.00	-7	-12
12-28-62 1215957 4599986 5-73					6		13,619	3.55	483						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS HM/DAU	REC/DAU HERDMATE	MILK	%	FAT	% 1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1435298 BUDD FARM TITAN.....*		3	17	1-34	28	2.1	12,589	3.67	462	10	36	-125	+.03	0	-4
11-13-62 1306065 2895637 5-73					7		12,781	3.58	458						
1435299 BUDD FARM MASTER JET.....*	34-01	3	15	1-34	20	2.4	11,531	3.73	430	32	30	-715	+.03	-21	-39
07-26-62 1125174 5025314 5-73					75		13,848	3.62	501						
1435384 MARSHFIELD HAMTER AGAIN FOBES.*		4	7	2-52,55	15	1.8	15,261	3.63	554	11	31	-224	+.01	-6	-12
12-21-62 1210078 3092993 9-72					36		16,153	3.60	581						
1435396 PABST MOOELER.....*		2	32	1-21	39	2.3	13,436	3.84	516	12	32	-201	+.04	-1	-7
09-16-62 1358647 4086890 5-73					18		14,034	3.73	524						
1435402 PABST CHAMPION DUKE.....*		1	42	1-85	42	2.6	14,219	3.45	490	7	29	-49	+.01	-1	-2
12-02-62 1144238 4626980 5-73					55		14,392	3.43	493						
1435442 LAWARA ECHO MAOCAP SOVEREIGN..*		1	30	1-21	30	2.0	12,585	3.58	451	0	26	+58	-.01	0	+2
02-22-62 1277922 4564487 5-73					24		12,139	3.64	442						
1435446 CRESCENT BEAUTY TRUSTEE.....*		9	21	5-32,33,	36	2.6	15,403	3.79	584	9	39	+298	+.04	+17	+23
01-21-63 1316533 5256049 5-73				35,72,73	19		14,067	3.70	543						
1435490 ORMSBY MASSMAN SOVERNOR.....*		4	6	1-42	13	3.0	16,049	3.78	607	8	36	0	+.06	+8	+7
12-14-62 1423625 4920197 5-73					10		16,233	3.65	592						
1435499 WES-BELL REVLON SEGIS BELL BOB*		2	13	2-35,56	22	2.2	15,379	3.89	599	0	34	-25	+.06	+8	+6
11-24-62 1258673 4789732 5-73					9		15,575	3.73	581						
1435503 YOKOHL KIPPER LARK.....*		3	7	1-93	10	1.7	14,233	3.91	556	**	24	-518	+.08	-7	-21
10-14-62 1359832 4396518 1-73					49		16,577	3.60	596						
1435536 VISTA B F BARON SKYWAY.....*		4	21	1-33	45	2.3	12,211	3.94	481	15	43	-689	+.06	-16	-34
08-07-62 1434687 4240700 5-73					8		13,759	3.79	521						
1435560 ROTHERWOOO IVANHOE KING SAL...		5	12	2-52,55	34	2.2	14,616	3.79	554	13	46	+316	+.02	+15	+22
08-17-62 1189870 4647368 5-73					26		13,877	3.76	522						
1435591 E-Z ACRES COUNTRY GENTLEMAN...*	21-10	55	2	2-13,21	65	2.8	15,103	3.62	547	10	81	-186	+.05	0	-6
10-15-62 1254726 4756706 5-73					24		15,438	3.57	551						
1435646 ROCK RIVER COTTON REGAL.....	93-19	29	4	4-41,42,	43	2.2	14,402	3.65	525	12	66	+104	+.06	+12	+13
02-08-63 1355376 5176308 5-73				73,74	10		14,227	3.55	505						
1435684 KNOB LICK PACLAMAR POSCH.....*		8	34	1-84	58	2.2	17,549	3.76	660	9	39	+184	+.08	+19	+21
11-14-62 1392233 4499885 5-73					30		17,378	3.58	623						
1435689 OEE ANN ECHO RE PRIOE.....*		2	47	2-31,86	49	1.9	13,408	3.45	463	32	28	-512	-.03	-22	-34
11-10-61 1230610 3801058 5-73					26		15,334	3.57	547						
1435690 OEE ANN SILVER TIM.....*	33-03	829	4	46-21,23,	1,419	1.5	15,429	3.77	581	11	98	+5	+.15	+22	+18
11-13-61 1342896 4765419 5-73				31,35,93	26		15,538	3.62	563						
1435691 OEE ANN SILVER CHARM.....*		4	49	1-86	55	2.0	15,578	3.61	563	2	30	-490	+.13	+1	-14
12-25-61 1342896 4679678 5-73					30		17,552	3.22	566						
1435720 TRIPLE VALLA VISTA IKE.....*	33-03	27	9	12-13,21,	55	2.3	14,797	3.64	539	20	63	-133	-.07	-15	-16
08-12-62 1396885 4143918 5-73				23,33,35	34		15,080	3.77	569						
1435721 BESSIE B F TRIUNE GYPSIE.....*		2	70	1-86	72	2.2	16,545	3.41	565	30	29	-15	-.01	-2	-2
08-13-62 1326679 3342774 5-73					135		16,845	3.46	583						
1435737 JAMESTOWN COMRE COMET.....*		6	22	4-41,42,	38	2.2	16,504	3.51	580	19	38	+93	.00	+3	+5
12-01-62 1242338 5032133 5-73				45,46	21		16,462	3.52	579						
1435776 STOOKEYHOLM PRINCE LARRY.....		3	10	1-32	14	2.1	11,859	3.62	429	15	28	-572	+.04	-15	-30
02-13-62 1227945 4243917 1-73					9		13,851	3.48	482						
1435806 ELROC WALLIE.....*		7	23	3-23,55,	44	3.1	15,237	3.41	519	5	43	+288	-.07	0	+9
12-20-62 1190632 3355363 5-73				56	39		14,585	3.55	518						
1435833 ELLENVALE GYPSIE ABSOLUTE.....		8	12	1-41	30	2.4	16,017	3.68	590	22	44	+255	+.03	+13	+18
05-07-62 1277213 4202790 5-73					21		15,554	3.63	565						
1435835 ELLENVALE GOLOEN MASTER.....*		6	6	3-41,42,	18	2.8	15,259	3.67	560	6	41	+280	-.03	+5	+13
08-26-62 1199324 3243903 5-73				46	12		14,604	3.77	550						
1435845 DELLFIELO SENATOR SEILING.....*		2	18	1-93	20	3.0	17,155	3.49	598	15	29	-188	.00	-7	-11
10-01-62 1376402 4777740 5-73					74		18,183	3.51	639						
1435865 OUNHILL LAKEFIELO LONE PINE...*		4	32	1-21	38	2.2	14,700	3.62	532	**	31	-114	+.05	+3	-1
02-19-61 1243697 4649740 5-73					9		15,144	3.46	524						
1435876 WIS PIONEER OAISY BOY.....*		7	5	3-35,42,	19	1.9	13,651	3.55	484	13	43	-86	-.03	-7	-8
01-01-63 1292880 3465723 5-73				65	15		13,793	3.63	500						
1435877 WIS PIONEER PETE.....*		3	21	1-31	26	1.9	13,978	3.57	499	18	29	-27	.00	-1	-2
02-04-63 1292880 4855768 5-73					19		14,042	3.60	505						
1435884 WIS MAYERS.....*	93-19	7	30	3-32,35,	41	2.5	15,024	3.88	583	3	34	+154	+.02	+9	+12
10-10-62 1368257 3612216 5-73				61	27		14,598	3.85	562						
1435885 MAYTAG OIC-IDEAL PETER PAN....		1	33	1-42	33	1.9	12,193	3.37	411	**	26	-248	-.04	-15	-20
07-22-62 1303077 4761661 5-73					2		13,018	3.59	467						
1435889 LEMAX LEADER IDEAL.....*	23-13	11	19	3-12,13,	40	3.0	17,159	3.71	636	0	44	+490	-.02	+15	+27
11-01-62 1188528 4766647 5-73				23	22		16,228	3.76	610						
1435890 LEMAX VERNON PILOT.....*		8	2	4-11,12,	11	3.7	15,357	3.82	587	0	43	-43	+.04	+4	+2
12-15-62 1246708 3899849 5-73				13,14	30		15,580	3.74	583						
1435967 LUEOTKE LANE BRIGEEN PETE.....*		4	4	1-35	11	2.5	12,118	3.94	477	**	33	-382	+.09	-1	-12
02-11-62 1170426 4141285 5-73					9		13,171	3.63	478						
1436046 MTN OAIRY MURRAY WALKER.....*		1	12	1-51	12	1.8	16,535	3.56	589	**	22	+404	.00	+14	+24
11-09-62 1388082 4697322 5-73					19		14,735	3.57	526						
1436056 INTERNATIONAL REFLECTION.....*		13	8	4-21,31,	27	2.0	15,217	3.83	583	5	45	-481	.00	-17	-29
10-23-61 010198998 011377819 5-73				35,86	22		16,501	3.85	635						
1436077 STEVINSON KING FLAPJACK.....		4	22	1-93	28	1.8	14,601	3.62	529	16	29	-107	+.03	+1	-2
07-22-62 1369893 4749707 5-73					40		15,033	3.51	528						
1436081 MILK & HONEY IVANHOE.....*	23-09	860	4	15-23,50,	1,865	2.2	14,727	3.80	560	11	99	-76	+.08	+9	+5
11-26-62 1189870 4282302 5-73				51,52,57	20		14,851	3.73	554						
1436097 THONYMA TIDY SENATOR-TWIN.....*		6	3	1-48	10	2.8	14,063	3.58	504	22	35	-157	-.02	-9	-12
07-24-62 1329249 4613999 5-73					18		14,530	3.67	533						
1436105 OAK MONT PREFERREO GETTIE.....*		9	1	4-51,52,	10	2.2	13,673	3.50	479	**	38	-104	-.03	-8	-10
04-08-62 1092490 3949315 9-72				55,63	15		13,902	3.61	502						
1436154 AMES-WAY AOVANCER.....*		8	4	4-32,33,	19	2.4	14,347	3.56	511	19	48	-122	-.03	-8	-10
08-20-62 1014925 4458467 5-73				35,61	20		14,627	3.63	531						
1436188 SHUR-POLL BURKE ECHO LAO.....		3	25	2-41,45	40	2.2	12,373	3.84	475	16	37	+65	+.03	+6	+7
11-08-62 1229660 4630370 5-73					14		11,950	3.77	451						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS HM/DAU	REC/DAU HERDMATE	MILK	% MILK	FAT	% FAT	% 1ST INC	% REPT	PREDICTED DIFFERENCES MILK	%	FAT	$$
1436225 BURCH HAVEN FOND MAJESTY.....*		4	5	1-35	12	2.3	11,733	3.93	461	5D	34	-864	+.02	-29	-50
06-14-62 1250992 3143138 5-73					17		14,307	3.87	554							
1436226 ELM RIDGE CELEBRITY VALDR.....		1	34	1-35	34	1.7	12,471	3.97	495	24	26	-430	+.08	-4	-16
10-06-62 1395838 4978029 5-73					8		14,121	3.65	516						
1436227 ELM RIDGE CELEBRITY TREASURE..*		3	22	1-35	29	2.3	14,429	3.89	561	8	32	-108	+.04	+2	-2
12-06-62 1395838 4117171 5-73					26		14,816	3.78	560						
1436252 ND HOME AGAIN SIGNET.....		1	21	1-35	21	1.4	10,314	3.88	400	**	23	-433	.0D	-15	-25
04-19-62 1210078 4475422 5-73					4		11,967	3.88	464						
1436308 TOBEY HILL ADMIRAL.....*		4	38	2-14,16	54	2.8	15,959	3.72	593	6	37	+664	-.02	+21	+37
12-14-62 1237057 3930774 5-73					17		14,134	3.80	537						
1436314 BESSIE B F ESTEEM SKYWAY.....*		12	2	4-43,48,	17	2.4	16,003	3.33	533	9	51	+796	-.07	+18	+39
08-26-62 1344345 4323925 5-73				71,73	14		14,455	3.42	495						
1436323 POTTER FARMS ILEX VICTOR.....*		4	5	1-21	13	2.6	13,920	3.39	472	27	36	-232	-.03	-13	-18
02-09-63 1213164 4757093 5-73					39		14,596	3.49	509						
1436419 FILBERT BONHEUR BARON.....*		1	22	1-51	22	3.4	14,349	3.83	549	5	29	+95	.0D	+4	+6
10-13-62 1217478 4219352 5-73					35		13,974	3.85	538						
1436432 HEATHERSTONE TYPEBLAZER MAPLE.*		8	4	3-35,41,	15	1.7	14,073	3.91	550	21	37	-407	+.04	-9	-20
09-06-62 1270685 4707837 5-73				53	22		15,250	3.82	582						
1436439 MILLERHURST GENERAL MEMORY....*		5	7	1-21	14	2.7	16,102	3.89	626	42	32	-78	+.05	+5	+2
11-02-62 1215402 3676235 5-73					36		16,565	3.75	621						
1436447 LOCHLAWN FUTURE HOPE.....*		13	2	2-41,46	18	2.2	13,627	3.57	486	29	49	-611	-.04	-28	-41
04-13-62 1243697 4686710 5-73					11		14,927	3.66	547						
1436481 ROYAL HI HOPE PINE KNOLL.....*		1	30	1-11	30	2.4	14,944	3.55	531	13	28	-318	.0D	-11	-19
09-14-62 1250992 4499007 5-73					13		16,279	3.58	582						
1436494 SOUTHWIND ADMIRAL FLAME.....*		2	21	1-74	25	2.4	14,464	3.23	467	0	30	-261	-.03	-13	-19
04-20-62 1216668 4094840 5-73					95		15,446	3.33	515						
1436505 HAYSSEN SHAMROCK ROULETTE.....*		8	2	5-35,41,	11	2.7	15,351	3.43	526	0	41	+178	-.10	-8	-1
01-13-63 0102260599 5176632 5-73				42,46,47	24		14,974	3.67	550						
1436509 COOLIDGE KENNEDY IPOSCH.....		3	17	1-86	39	2.1	13,054	3.45	451	31	42	-554	+.06	-12	-27
02-02-63 1389471 4269066 5-73					38		14,360	3.32	477						
1436541 STEINBETH GLENAFTON FOND MARK.*		1	20	1-31	20	3.0	14,942	3.54	529	10	27	-79	+.03	+1	-2
08-09-62 1243697 5205815 5-73					11		15,332	3.44	528						
1436577 HICKERSON CHIEF BILLY.....		1	28	1-71	28	1.9	10,713	2.96	317	**	26	-440	+.01	-14	-25
12-08-62 1374203 4910077 9-72					15		12,209	2.94	359						
1436679 B J I REROYAL CHESTER.....*		1	95	1-23	95	2.3	14,777	3.61	534	23	29	+319	-.02	+8	+16
12-04-62 1192713 4561926 5-73					45		13,616	3.72	507						
1436686 LEONS CAPTAIN SJE.....*		2	11	1-87	13	2.7	13,893	3.73	518	8	26	-50	-.01	-3	-4
09-10-62 1144239 3889700 5-73					9		14,057	3.81	536						
1436749 MAC-ROYAL SKY CHIEF.....*		1	21	1-21	21	3.0	12,924	3.48	450	5	27	-550	-.01	-21	-34
01-05-63 1244845 3470996 5-73					22		15,002	3.54	531						
1436755 ERIE-BELL MODEL IVAN.....*		3	14	2-31,56	18	2.8	16,277	3.51	571	11	30	+422	-.01	+13	+23
01-29-62 1189870 4490361 5-73					15		14,912	3.54	528						
1436791 KRULL CRISSCROSS MAGNIFICENT..*		2	38	2-35,74	42	2.4	14,799	3.78	559	18	30	-175	+.02	-3	-8
03-27-62 1378594 3541325 5-73					22		15,491	3.74	579						
1436801 ECHO POINT KORNDYKE GRANDIER..*		4	12	2-23,41	25	2.4	16,660	3.51	585	0	39	+498	-.03	+14	+27
12-30-62 1277619 3430733 5-73					10		15,500	3.57	554						
1436806 GLENAFTON RAG APPLE HAGEN.....*	35-75	808	4	42-21,23,	1,413	1.1	14,884	3.49	520	17	98	-537	-.13	-37	-47
02-03-62 1243697 0111554492 1-73				32,35,55	31		15,548	3.62	563						
1436807 SIONILLI SIR BONNY PRIDE.....*		6	4	3-33,57,	14	2.6	13,948	3.64	508	25	40	-210	.00	-8	-13
11-20-62 1237057 3758634 5-73				64	29		14,486	3.67	531						
1436815 BSH ROBERT TEX LIEGE.....*		7	12	3-46,47,	26	2.6	15,456	3.51	543	4	41	-51	-.05	-9	-9
09-23-62 1300012 5190083 5-73				84	33		15,715	3.65	574						
1436827 POSCH WIS PAUL.....		2	12	1-31	15	2.7	13,467	3.45	465	0	29	-233	-.01	-10	-15
10-20-62 1226862 3589388 1-73					48		14,256	3.52	502						
1436894 AIRYHURST HOMER HOLWYN.....*		1	13	1-58	13	2.5	17,047	3.33	568	**	24	+345	-.02	+10	+19
09-01-62 1119686 4765179 5-73					169		15,730	3.36	528						
1436907 VALLA VISTA SAMUEL GREAT.....*		10	6	3-43,47,	24	2.5	15,291	3.60	551	0	50	-151	-.01	-7	-10
01-27-63 1243399 3443348 5-73				48	18		15,733	3.64	573						
1436939 EVER CREST KADA SEARS KING....*		7	2	2-21,93	11	2.1	15,471	3.67	568	**	39	+186	+.04	+13	+16
09-18-62 1085978 4795686 5-73					28		15,056	3.56	536						
1436959 CORRECTION SEGIS BOLD.....*		3	17	2-35,61	21	2.5	11,914	3.87	461	0	30	-266	+.03	-6	-13
08-03-62 1258673 4528726 5-73					35		12,625	3.79	479						
1436978 NIEDERJOHNS DEACON DEPUTY.....		1	12	1-73	12	1.3	11,702	3.57	418	13	20	-129	+.02	-2	-6
10-21-62 1381276 4390443 5-73					20		12,119	3.50	424						
1436980 EDROY LEADER JERDMA TITAN.....*		3	39	1-82	43	2.1	16,129	3.60	581	9	29	+353	-.03	+8	+17
01-15-63 1249424 4503252 5-73					18		14,983	3.72	557						
1437003 KOZY-MEDO TRIUNE REX.....*		1	32	1-32	32	2.4	13,565	3.69	500	25	28	-40	.00	-1	-2
01-14-63 1297169 4170031 5-73					12		13,637	3.72	507						
1437080 DIAMOND A WIS PIEBE.....*		3	11	1-93	18	2.2	14,769	3.45	510	14	32	-233	.00	-9	-14
01-28-63 1144239 4504724 5-73					36		15,638	3.49	545						
1437101 TRANSTOMIA PANSCO DIAMOND.....*		4	28	2-33,42	34	2.2	14,418	3.41	491	7	31	+25	-.08	-10	-7
02-17-62 1185854 4162302 5-73					12		14,328	3.68	527						
1437104 TABUR M EVAN.....*		4	7	2-43,48	12	3.3	13,274	3.78	502	18	32	-267	+.10	+5	-4
09-27-62 1406351 5230205 5-73					13		14,091	3.43	484						
1437105 ROMANDALE TABUR ZENITH.....*		10	13	1-74	31	2.4	14,536	3.47	504	23	42	-149	+.01	-4	-8
09-28-62 0102257174 5638583 5-73					25		14,953	3.44	515						
1437108 MODEL ORMSBY PIEBE PAUL.....*		1	42	1-57	42	1.4	13,565	3.64	494	15	25	-74	+.01	-1	-3
09-15-62 1216668 4260799 1-73					17		13,811	3.62	500						
1437123 BRAEBURN EL DIABLO.....*		1	22	1-21	22	2.2	15,140	3.67	556	6	26	+128	.00	+5	+8
02-06-63 1207988 3293345 5-73					69		14,673	3.67	539						
1437152 WALKER FARM BURKGOV KEY.....*		11	20	1-21	56	2.7	15,892	3.31	526	9	50	+23	-.09	-12	-9
11-22-62 1338509 4726540 5-73					45		16,009	3.47	556						
1437153 WALKER FARM HI BOY.....*		4	5	1-21	14	2.7	14,366	3.46	497	23	38	-234	-.01	-10	-15
12-31-62 1250992 4673973 5-73					47		15,059	3.51	528						

REGISTRATION NUMBER / NAME / OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HO	STATES NO- WITH MOST DAUS	DAUGHTERS AND HERDMATES DAUS HM/DAU	REC/DAU HERDMATE	MILK	% MILK	FAT	% FAT	1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1437163 NORMAN COLBY PABST.....		2	14	1-13	20	3.0	14,545	4.09	595		19	33	-490	+.13	+1	-14
C8-01-62 1395660 4365711 5-73					39		16,236	3.69	599							
1437203 ROUND OAK IVANHOE EMPEROR.....*		9	7	4-51,52,	29	2.1	14,733	3.37	496		17	48	+213	-.11	-9	-1
08-28-62 1189870 4347175 5-73				54,55	26		14,282	3.62	517							
1437235 ROMANOALE COMET.....		3	37	3-41,86,	41	2.5	14,827	3.36	498	**	30		-204	.00	-8	-13
07-21-59 010198998 011150103 5-73				91	119		15,631	3.39	530							
1437250 COLO SPRING RENOWN.....*		5	10	2-23,35	18	2.2	14,678	3.97	583		19	34	+125	+.12	+22	+22
C4-09-62 1323293 3235707 5-73					15		14,295	3.62	518							
1437311 KYLANO PRIVALEAOER.....*		1	50	1-32	50	2.8	14,075	3.64	512		9	30	+71	.00	+2	+4
10-16-62 1293254 4231975 5-73					23		13,776	3.66	504							
1437367 PRILLY HOMESTEAD RENOWN.....		1	26	1-33	26	3.1	12,110	3.29	398		6	29	-368	-.01	-14	-23
C6-04-62 1331376 4741921 9-72					12		13,269	3.34	443							
1437426 CHAPEL BANK ATLAS.....*		15	26	2-21,23	67	2.4	13,938	3.66	510		19	48	-620	+.09	-10	-27
C1-03-63 1395071 3646349 5-73					36		15,317	3.49	535							
1437446 REGANCREST TEXAL KING.....		1	22	1-42	22	2.3	11,035	3.63	399		5	26	-309	.00	-11	-18
11-03-62 1295307 4415906 5-73					7		11,945	3.66	437							
1437448 QUAILCREST SYMBOL OON.....*		2	6	1-31	11	1.7	12,349	3.66	452	**	28		-275	+.04	-4	-12
C3-22-61 1205994 3548640 5-73					24		13,210	3.52	465							
1437453 LINHURST IVANHOE WINNER.....*		8	25	1-21	41	2.3	14,433	3.64	526		9	37	+53	+.03	+6	+7
09-21-62 1189870 5100775 5-73					10		14,278	3.56	509							
1437473 REINHARTS ANGORA ADMIRAL ATLAS*		4	22	2-23,64	29	3.0	14,521	3.68	534		5	34	+160	+.05	+13	+16
07-27-62 1237057 3649871 5-73					8		14,003	3.53	494							
1437481 YOKAYO SENATOR JO.....*		3	15	1-93	22	2.2	13,743	3.58	492		11	32	-3	-.03	-4	-3
03-30-62 1376402 3699536 5-73					44		13,685	3.70	507							
1437506 KNOLLSIDE MAPLE SYLVIUS.....		2	35	1-41	37	1.9	13,238	3.60	477	**	27		-82	-.01	-5	-7
10-23-62 1386406 5281222 5-73					19		13,450	3.70	498							
1437532 GRAY VIEW X BLOOM.....*	91-11	58	3	17-21,23,	83	2.4	13,829	3.62	500		17	81	-315	.00	-12	-19
04-19-62 1378594 4259598 5-73				35,41,42	21		14,200	3.63	516							
1437590 LONOKE STAR ADMIRAL.....*	23-09	38	4	4-22,23,	69	2.9	14,473	3.59	519		9	77	-170	-.09	-19	-21
C2-01-63 1237057 4118462 5-73				50,51	20		14,731	3.72	548							
1437600 JAWAY PIETY IDEAL CRUSADER....*	21-10	32	1	2-13,21	34	2.8	14,963	3.47	519		12	70	-146	-.07	-15	-17
C9-14-62 1014925 4173710 5-73					23		15,259	3.57	544							
1437623 VAN-CAY GENE ABEL.....		14	2	4-33,52,	20	1.4	15,345	3.56	547		7	49	+49	.00	+2	+3
08-22-62 1362144 4352007 5-73				61,74	12		15,341	3.55	545							
1437632 BESSIE B F SKYWAY LAD.....*	61-02	116	4	5-31,33,	224	2.2	14,626	3.54	518		13	91	+422	-.09	+2	+14
10-30-62 1396885 4383165 5-73				42,65,87	18		14,138	3.64	515							
1437633 MAN-O-WAR B F SKYWAY ROBURKE..	93-05	56	10	6-82,86,	185	2.1	18,096	3.40	616		14	84	+1,173	-.10	+26	+57
11-18-62 1396885 3789939 5-73				87,92,93	134		16,951	3.49	592							
1437643 CHAMP TWIN VALLEY LUCKY VAR...		1	30	1-34	30	2.0	12,688	3.85	488	**	27		-115	.00	-4	-7
04-17-62 1392187 2966853 5-73					32		12,984	3.90	506							
1437721 OON AUGUR INGLIS HI HOPE.....*		2	10	1-21	12	3.3	18,099	3.61	653		20	27	+48	+.01	+3	+4
07-04-62 1395460 5330181 5-73					23		18,311	3.58	655							
1437724 M A A PONTIAC KORNOYKE.....*		2	18	1-92	25	1.7	15,080	3.48	525		12	30	+4	-.07	-10	-8
12-22-62 1378494 3678915 5-73					22		15,143	3.73	565							
1437730 VARNUMS ADMIRAL OE KOL.....		4	170	3-11,12,	176	2.0	15,648	3.48	545		4	30	+260	-.02	+7	+14
C9-05-62 1237057 4362404 5-73				21	88		14,826	3.52	522							
1437759 BRAINTRIM REFLECTOR PETTY.....*		18	4	2-23,51	37	2.0	15,992	3.55	567		7	62	+295	-.07	0	+9
C9-22-62 1298430 4502211 5-73					17		15,643	3.66	573							
1437766 TREMCO RECO JENNY ROYAL.....*		1	35	1-35	35	2.2	14,241	3.48	496		6	27	-36	-.05	-9	-8
11-13-62 1395460 4156943 5-73					33		14,374	3.72	535							
1437778 BAKER RAG APPLE FINELL.....*		6	5	3-42,86,	15	2.5	14,730	3.40	501	**	39		-344	-.03	-16	-24
C7-02-60 1183498 010773805 5-73				93	91		15,760	3.48	548							
1437801 INGLIS ANITA IVANHOE.....	41-01	183	2	9-41,45,	260	1.8	14,447	3.57	516		18	93	-271	-.01	-11	-17
C7-03-62 1189870 3506733 5-73				46,82,87	19		14,778	3.59	530							
1437802 INGLIS ALAN BEL SEARS.....*	61-02	56	3	7-31,32,	97	1.9	13,858	3.69	512		14	82	-386	+.10	0	-12
C7-05-62 1385978 4071579 5-73				33,35,61	21		14,326	3.57	511							
1437823 WAWACO BEAUTY SPARKS.....*		1	42	1-91	42	2.5	16,632	3.43	570		14	29	+80	-.01	+1	+3
C5-31-62 1370898 4342573 5-73					83		16,572	3.46	573							
1437837 K J B WALKER OE MAAS.....*		1	56	1-86	56	2.1	15,659	3.54	554		8	28	-239	-.01	-10	-15
C2-22-61 1345229 3386250 5-73					70		16,760	3.58	600							
1437877 RI-VAL-RE PUGET OE KOL.....*		3	8	2-33,34	16	1.8	13,976	3.64	509		14	32	0	-.02	-3	-2
10-28-62 1214152 3362962 5-73					57		13,929	3.74	521							
1437933 OORNALO OJKE SOVEREIGN.....*		1	13	1-21	13	3.3	15,701	3.78	593	**	26		+198	+.01	+8	+13
12-14-62 1222994 5647095 5-73					29		14,987	3.78	566							
1438016 SWEET HAVEN PRINCE.....	35-75	96	26	23-23,41,	202	1.4	17,130	3.47	594		5	70	+456	-.02	+13	+24
10-01-62 1239242 5117639 1-73				55,57,93	47		16,713	3.48	581							
1438023 BURKE LANE-CREST INSIGNIA.....*		5	10	2-32,33	24	2.8	17,157	3.50	601		0	43	+1,000	-.07	+25	+51
10-11-62 1179372 5263477 5-73					13		14,857	3.68	546							
1438032 CRESTON CROWN MAJESTY.....*		6	13	3-32,33,	23	2.9	13,040	3.51	458		6	37	-37	-.02	-4	-4
11-20-62 1121323 4663071 5-73				35	14		13,003	3.58	466							
1438080 IDEDGRAPH SKOKIE BLACK SPADE..	93-19	60	47	5-34,82,	638	1.8	18,129	3.65	661		4	83	+1,166	-.03	+37	+66
12-24-62 1179324 4998035 5-73				91,92,93	72		16,991	3.70	628							
1438093 STRICKLER PERSEUS ROBIN.....		5	36	1-48	55	2.6	17,168	3.59	616		5	38	+56	+.03	+7	+7
11-04-62 010260599 5026201 5-73					22		17,314	3.51	607							
1438135 BEE & DEE ORMSBY SEARS PETE...*		1	11	1-21	11	1.8	14,055	3.57	502	**	22		-349	+.03	-8	-17
C2-02-63 1085978 4367178 5-73					6		15,787	3.46	546							
1438161 LUKLAND SKYLINER RAVEN.....*		1	11	1-34	11	2.4	16,358	3.72	609		10	23	+311	+.01	+12	+19
12-03-62 1244845 4482188 5-73					14		15,040	3.72	560							
1438245 FOBES SKOKIE BANNER.....		1	12	1-41	12	3.8	14,673	3.90	572		0	26	+129	+.06	+14	+15
01-16-63 1280015 4916672 5-73					31		14,152	3.67	519							
1438285 PACLAMAR CAPITAINE.....*		17	13	9-31,45,	58	2.5	17,215	3.44	592		5	59	+1,104	-.06	+30	+58
09-25-62 1144239 3818879 5-73				46,82,84	24		15,432	3.53	544							
1438299 GRAF ACRES SIR PONTIAC.....*		3	25	1-34	47	2.7	13,739	3.74	514		8	42	-541	.00	-20	-33
11-30-62 1397752 5062616 5-73					41		15,090	3.76	568							

REGISTRATION NUMBER / NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HO	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS	REC/DAU	MILK HM/DAU	% HERDMATE	MILK	%	FAT	1ST FAT INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1438332 GREEN PASTURES TY-KING.....	91-13	180	7	4-82,91,	503	1.7	16,352	3.53	577	12	94	+706	-.10	+11	+30
11-29-62 923749 2790993 5-73				92,93	28		15,734	3.63	571						
1438339 SANDYLAND FOND ROXANNE.....*		2	15	2-43,48	17	2.6	12,556	3.77	473	8	28	-169	+.03	-2	-7
11-29-62 1243597 3679597 5-73					66		13,038	3.69	481						
1438349 CACHE ACRES ARGYLE CHIEF.....*		1	23	1-93	23	2.7	12,995	3.74	486	14	27	-331	+.04	-6	-15
12-03-62 1324830 4519901 5-73					82		14,191	3.59	510						
1438365 ERIGEEN CHIEF WARRIOR.....*		7	56	3-12,13,	67	2.3	13,543	3.57	483	23	33	-394	+.01	-13	-23
03-02-63 1397517 4391334 5-73				16	21		14,798	3.56	527						
1438408 FAIRWOOD REFLECTOR PRIDE.....*		2	16	1-23	18	2.3	15,352	3.78	580	20	26	+18	-.06	-8	-6
08-19-62 1298430 4496370 5-73					33		15,385	4.05	623						
1438412 A J R IMPERIAL KILLROY OF LFI.		1	10	1-58	10	1.8	12,549	3.52	442	0	21	-138	+.02	-2	-6
12-24-62 1230640 4495129 9-72					309		13,077	3.45	451						
1438413 RUTHANOEL GRACIOUS MOSE.....*		6	8	3-42,43,	17	1.9	15,060	3.38	509	**	35	+331	-.05	+5	+14
11-09-62 1392380 4322302 5-73				71	14		14,076	3.49	491						
1438416 GOLDEN OAKS CHAMPION BOY.....*		3	21	2-33,35	25	2.4	13,830	3.43	475	17	29	-114	.00	-4	-7
11-07-62 1282185 3417733 5-73					27		14,208	3.44	489						
1438433 TALOGA JEEP CRESCENT DIXIE....*		14	1	2-71,73	17	1.9	13,301	3.43	456	33	50	-525	+.01	-18	-31
03-05-63 1342819 4266566 5-73					17		14,351	3.42	491						
1438533 OGN AUGUR CARNATION ROYAL JUDD*	35-75	14	15	2-21,23	69	3.0	19,462	3.40	662	8	62	+897	-.09	+19	+43
04-01-62 1305460 4051738 5-73					29		18,407	3.50	644						
1438534 DON AUGUR VIOLET PROMISED LAD.*		6	44	3-22,23,	74	2.4	15,922	3.64	579	16	40	-203	-.05	-14	-18
05-03-62 1404788 4767302 5-73				35	16		16,659	3.76	627						
1438535 LOCKWAY ELMER IVANHOE-TWIN....*	91-13	130	6	8-23,81,	290	1.1	16,726	3.71	621	10	90	+831	+.07	+41	+59
04-04-62 1189870 4482901 5-73				91,92,93	42		15,957	3.65	582						
1438568 KRET-MAR MASTER-TWIN.....*		1	11	1-34	11	3.4	15,339	3.55	544	9	25	+21	-.01	0	+1
10-07-62 1200082 5052040 5-73					16		15,349	3.58	550						
1438615 RIVER INN GOLDEN CHIEF.....		2	28	1-93	30	1.9	16,290	3.52	574	0	27	+125	.00	+4	+7
11-24-62 1215448 4473633 5-73					51		15,990	3.51	562						
1438622 INGLIS TOPMAN BURKGDV.....	52-01	117	3	8-21,51,	197	2.4	14,802	3.63	538	11	92	+94	+.05	+10	+11
12-16-62 1038509 4580454 5-73				52,54,55	28		14,733	3.58	528						
1438664 EVALTS LEADER BOY JUSSI.....		1	13	1-35	13	2.0	14,830	3.84	569	0	23	-77	+.06	+6	+3
11-13-62 1259069 4269393 5-73					6		15,257	3.57	544						
1438693 LUTRES SKYLINER MERCEDES.....*		1	26	1-42	26	2.9	14,253	3.68	524	0	29	+66	-.02	0	+2
09-15-62 1244845 4694812 5-73					38		13,983	3.78	528						
1438702 LOCKWAY PABST LUCIFER.....		12	4	4-21,23,	20	2.6	14,094	3.60	507	23	48	-360	-.03	-17	-25
07-09-62 1165012 4641843 5-73				51,52	22		14,894	3.67	547						
1438706 INWOOD HOMESTEAD STANDOUT.....		2	28	1-35	35	3.0	14,556	3.73	543	5	33	+79	+.02	+6	+7
10-16-62 1331551 3807495 5-73					9		14,311	3.68	527						
1438721 OAKWOOD ADMIRABLE ZEUS JERRY..*		3	9	1-61	12	3.5	16,754	3.37	564	8	30	+343	-.06	+3	+13
10-24-62 1237057 5118500 5-73					30		15,736	3.55	559						
1438738 MICH GRAY VIEW FOBES.....		1	11	1-35	11	1.6	13,679	3.74	512	**	21	-140	+.03	-1	-5
05-02-62 1157511 3989865 5-73					11		14,347	3.65	524						
1438747 DIAMOND J DUSTY ABBOTT.....		1	209	1-93	209	1.7	16,516	3.35	553	16	29	-311	+.02	-9	-17
01-01-63 1205185 4573310 5-73					419		17,958	3.32	596						
1438749 DIAMOND J DUSTY MARVEL.....*	93-15	11	17	3-35,91,	56	1.9	17,222	3.54	610	13	50	+333	+.01	+14	+22
01-21-63 1205185 3512595 5-73				93	166		16,802	3.51	589						
1438758 COUNCIL ROCK ADMIRAL STYLIST..*	33-03	493	3	38-21,23,	791	2.0	15,632	3.44	538	12	97	+722	-.17	+1	+23
11-22-62 1237057 2778890 9-72				31,35,93	28		14,946	3.61	539						
1438798 STEVENHOLM CHIEF MIKE.....*		12	3	3-11,12,	22	2.1	12,602	4.08	514	0	54	-1,042	+.23	-7	-37
01-31-63 1397517 4877827 5-73				16	19		14,570	3.64	531						
1438813 A B C FINALE.....*	35-03	10	11	8-33,34,	26	2.9	14,476	3.57	517	13	42	-152	-.02	-8	-11
07-10-62 01D1198998 0112471B5 5-73				35,43,65	20		14,893	3.63	540						
1438823 PIETERTJE HOMESTEAD GOMAR.....		2	20	1-42	22	3.0	16,244	3.53	574	14	29	+221	-.03	+3	+9
09-13-62 1241839 2931582 5-73					38		15,587	3.64	567						
1438868 WOODSIDE FARM ILEX SEGIS.....*		1	14	1-21	14	4.7	18,151	3.29	597	0	28	+336	-.02	+9	+18
10-06-62 1213164 4177736 5-73					59		17,240	3.32	572						
1438898 HARMONY-VALLEY PRIDE DYNAMITE.		3	10	1-35	25	3.1	16,328	3.55	579	0	44	+292	-.07	0	+9
11-19-62 1237057 3845733 5-73					20		15,805	3.70	585						
1438908 STRICKST RUSTY IVANHOE.....*		1	12	1-23	12	2.3	15,540	3.58	557	0	23	-68	-.04	-8	-9
04-02-62 1189870 4733634 5-73					14		15,998	3.79	606						
1438926 BARRETT RANCH CHARMER.....*		7	37	3-11,12,	51	2.6	15,731	3.52	553	4	36	+19	-.04	-5	-4
01-01-63 1254887 3964148 5-73				21	32		15,820	3.64	576						
1438946 FALSONS NOBLE OAK.....		1	36	1-42	36	3.1	13,181	3.90	514	6	30	-222	+.03	-4	-10
01-24-62 1175509 4405027 5-73					6		13,886	3.82	531						
1438954 SRD DOT PRIDE.....*		4	22	1-74	31	2.5	14,050	3.33	468	4	34	-405	+.01	-13	-23
07-30-62 1377492 3724676 5-73					83		15,339	3.32	509						
1438955 KNOTTY OAK MAJOR DIAMOND.....*		1	17	1-14	17	3.1	14,743	3.49	514	6	27	+5	-.03	-4	-3
02-28-63 1403992 4959108 5-73					26		14,763	3.61	533						
1438957 COCHRAN IVANHOE OANOY.....*	33-03	16	24	2-21,34	83	2.2	15,143	3.91	592	7	55	-401	+.17	+10	-4
12-29-62 1139870 4169998 5-73					18		16,036	3.61	579						
1438976 LILAC HILL HIGH MARK.....*		2	27	2-11,35	29	2.2	13,651	3.84	524	8	28	+141	+.01	+7	+10
01-01-63 1292880 5029615 5-73					6		13,038	3.83	498						
1438985 OATS FARM IODL.....*		4	4	2-88,93	12	3.4	16,387	3.52	577	0	39	-75	-.01	-4	-6
10-10-62 1244845 3693720 5-73					42		16,828	3.55	597						
1438992 MCKIBBENS LEADER.....		1	12	1-41	12	2.3	12,213	3.83	468	0	24	-194	+.04	-1	-7
02-15-63 1242338 4910200 9-72					5		12,876	3.65	470						
1439049 HAYSSEN ROBINHOOD.....*		1	20	1-35	20	2.9	15,523	3.79	588	0	27	-353	+.03	-9	-18
03-01-63 1230992 4935706 5-73					12		17,095	3.71	635						
1439051 VERPANA FARM REGIUS CROSS.....	91-13	468	11	11-82,87,	1,923	1.7	14,619	4.08	597	13	98	-1,121	+.51	+27	-12
09-20-62 1378594 3262462 5-73				91,92,93	32		15,919	3.61	575						
1439094 BOWMANOR PILOT JERRY.....*		1	14	1-21	14	2.9	13,152	3.41	449	**	26	+147	-.03	+1	+5
03-06-63 1401298 4433261 5-73					14		12,385	3.54	439						
1439097 BLEND BURKE ADA IMPERIAL.....	48-01	256	9	3-47,48,	1,068	1.5	15,709	3.31	551	15	97	+757	-.03	+23	+42
03-09-62 1385978 4653171 5-73				73	22		14,985	3.52	528						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF OAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS HM/OAU	REC/OAU HEROMATE	MILK	% MILK	FAT	% FAT	% 1ST INC	% REPT	PREDICTED DIFFERENCES MILK	%	FAT	$$
1439109 ODDRCO FOND MASTER DEAN.....*		10	12	5-32,34,	34	1.7	13,454	3.69	497		32	44	-395	+.01	-13	-23
11-20-62 1342919 4581859 5-73				35,51,74	23		14,354	3.69	530							
1439118 LAVACRES SOVEREIGN SHANE.....	93-10	14	6	1-93	46	1.8	15,142	3.69	558		14	62	-857	+.01	-29	-50
C2-01-63 1382958 3691931 5-73					44		16,775	3.68	617							
1439119 LAVACRES SOVEREIGN STALWORTH..		2	21	1-93	23	2.7	17,039	3.61	615		0	29	+219	.00	+8	+13
03-23-63 1382958 4806310 5-73					55		16,486	3.61	595							
1439173 OA-CO-TON TRIUNE PRINCE.....*		6	29	3-34,42,	40	2.1	13,585	3.94	535		22	33	-540	+.05	-12	-26
08-31-62 1355953 5111738 5-73				46	10		15,332	3.78	580							
1439180 WINDY MONT BELLE BOY.....*		7	7	1-23	18	1.9	14,362	3.70	532		23	37	-447	-.01	-18	-28
02-14-62 010262153 4788232 5-73					15		15,734	3.76	590							
1439245 DIAMOND J VAR OUSTY TULSAN....		1	26	1-93	26	1.9	17,521	3.54	620		**	26	-90	-.01	-4	-6
C3-23-63 1355529 4827616 5-73					95		18,259	3.57	652							
1439260 SUNNYOECK HEILD CRITERION.....*		8	9	1-91	40	2.8	15,206	3.47	528		0	56	-136	+.01	-4	-7
11-12-62 1244844 4864366 1-73					33		15,568	3.46	539							
1439322 KNOLLSIDE CAPITAINE ROYAL.....*		1	14	1-41	14	2.9	13,626	3.46	472		14	26	+5	-.04	-5	-4
C1-04-63 1355847 4999979 5-73					12		13,521	3.65	493							
1439387 MARDY ORMSBY OUKE CAPTAIN.....*		6	6	2-21,47	14	1.6	12,728	3.68	468		54	31	-252	+.04	-4	-11
12-01-62 1348275 3547155 5-73					22		13,438	3.58	481							
1439394 FOXLEASE OELLA APOLLO.....*		2	8	1-52	14	2.6	14,162	3.69	522		0	32	+20	+.04	+0	+0
01-12-63 1151349 4576321 5-73					11		14,058	3.55	500							
1439459 AJAY D K ZEUS PARO.....*		3	7	1-23	13	1.3	12,490	3.74	467		11	28	-219	+.02	-5	-11
07-25-62 1348456 4268492 5-73					7		13,169	3.68	484							
1439465 LAWCREST PIONEER LEADER.....*		2	16	2-23,81	18	2.7	11,134	3.86	430		0	28	-481	+.06	-9	-22
C4-01-63 1292880 4477414 5-73					10		12,690	3.61	458							
1439511 SEQUOIA IDEAL STAR.....*		61	1	2-23,50	66	2.4	14,392	3.67	528		4	81	+87	-.04	-3	0
10-11-62 1274923 4748412 5-73					17		14,273	3.74	534							
1439549 SKOKIE TIDY OUKE.....	93-02	8	129	3-33,86,	176	1.7	15,267	3.64	555		10	35	+138	+.02	+8	+11
10-19-62 1288610 3869118 5-73				93	303		14,924	3.56	532							
1439565 BRIDGER JACK ADMIRAL.....		2	14	1-81	16	1.9	16,485	3.58	590		29	26	+111	+.01	+5	+7
06-15-62 1237057 4295850 5-73					16		16,233	3.54	575							
1439637 WISCORI PROGRESSOR TONY.....*		2	17	1-35	19	2.4	12,663	3.76	476		21	27	+50	+.02	+4	+5
C3-26-62 1303855 4219260 5-73					23		12,268	3.69	453							
1439673 KODI PRIDE BEMAC.....*		7	15	2-84,87	47	2.7	14,159	3.61	511		5	52	-184	+.07	+4	-2
11-18-62 1376340 4192710 5-73					19		14,529	3.45	501							
1439692 NEMAHA LEE.....*		8	10	5-32,43,	33	2.2	12,245	3.89	476		24	48	-955	+.09	-22	-47
04-22-61 1261357 3855784 5-73				48,73,74	44		14,242	3.68	524							
1439709 JANLEE SKOKIE NOEL.....*		9	2	2-73,74	17	2.2	16,037	3.32	533		**	49	+41	-.06	-7	-4
10-18-62 1315498 4571559 5-73					27		16,127	3.42	552							
1439786 WESTCOPA IVANHOE GENERAL EDEN.		1	14	1-23	14	1.7	12,430	3.76	466		**	23	-211	+.07	+2	-5
03-29-63 1396768 3936854 1-73					5		13,214	3.41	450							
1439795 SLEEPY HOLLOW ROYAL LOU.....		1	60	1-93	60	2.0	19,538	3.55	694		8	28	+191	.00	+7	+12
01-16-63 1252231 4782148 5-73					18		19,341	3.54	684							
1439813 ROBTHOM MONARCH AUDACIOUS.....*		2	10	2-43,86	13	3.3	13,551	3.56	483		0	30	-50	+.03	+3	+1
C2-20-63 1237747 3585454 5-73					19		13,648	3.42	467							
1439849 ELLBANK ORMSBY LEADER PAUL....*		4	45	1-47	58	3.0	12,336	3.43	423		6	36	-240	-.02	-12	-17
01-25-62 1150470 4265145 5-73					38		12,861	3.53	454							
1439867 ZION MEADOWS GENERAL BIMBO....*		1	13	1-51	13	2.2	12,981	4.13	536		36	23	-416	+.04	-9	-20
01-04-63 1215402 4545660 5-73					35		14,865	3.94	586							
1439896 LEJAPA HEIGHTS MAGELLAN.....		1	52	1-63	52	2.6	12,346	3.52	434		9	30	-18	-.02	-3	-3
01-01-63 1138451 5373696 5-73					13		12,189	3.60	439							
1439934 CARDLOALE LAKEFIELD CHAMPION..*		3	11	1-31	17	2.4	13,479	3.66	494		6	31	+4	+.02	+3	+3
09-13-62 1226288 3759991 5-73					28		13,362	3.60	481							
1439936 GLENAFTON RAG APPLE NIXON.....*		2	9	1-31	11	2.6	15,091	3.55	536		17	26	+271	-.02	+7	+14
C7-23-62 010273925 011046724 5-73					31		13,996	3.64	509							
1439938 GRAY VIEW X RENOWN.....*		3	10	1-34	21	2.1	15,027	3.89	584		26	36	-140	+.07	+5	0
12-21-62 1378594 4194681 5-73					45		15,556	3.71	577							
1439939 MAPLEWOOD LANE MAPLE.....		4	17	2-33,35	33	2.2	14,564	3.67	534		17	38	+389	+.01	+15	+24
10-18-62 1385036 4448454 5-73					23		13,448	3.67	493							
1439959 BURKE IDEAL REFLECTOR.....		6	9	3-35,48,	22	3.6	14,993	3.51	527		0	43	+27	-.02	-2	-1
04-19-61 1381027 4332795 5-73				73	28		14,989	3.58	536							
1439984 HOPPMANS PONTIAC LADYS MAN....*		11	8	2-35,85	31	2.4	15,812	3.32	525		8	51	+112	-.04	-2	+2
02-04-63 1397752 4548845 5-73					215		15,728	3.39	533							
1440054 ORJRY-LANE COL RAVEN JOHN GLEN*		3	23	1-81	29	3.3	15,192	3.19	484		11	33	-111	-.04	-10	-12
07-01-62 1330936 4634035 5-73					18		15,660	3.30	517							
1440065 ROCKAWAY ROBURKE SKYLINER.....*		2	7	1-13	11	2.7	10,999	3.94	433		**	30	+45	+.02	+5	+5
C1-25-63 1244845 4598110 1-73					23		10,452	3.87	404							
1440086 STEWART IVANHOE PONTIAC ORMSBY		1	10	1-41	10	2.0	14,653	3.55	521		29	22	-144	-.04	-11	-13
11-29-62 1287096 5025257 5-73					18		15,442	3.76	581							
1440109 RAVEN ZARNOWSKI PABST.....*		3	16	1-48	24	2.6	13,325	3.94	525		14	34	-263	+.07	0	-8
11-28-62 1249423 3047151 5-73					9		14,071	3.73	525							
1440122 REGAL ROBJRKE TRIPLE-DIAMOND..*		2	18	1-42	20	3.6	14,047	3.94	553		0	30	+177	+.05	+13	+16
09-11-61 1220204 5117589 5-73					12		13,350	3.80	507							
1440198 RICH-HERO TEXAL TRADEMARK.....*		61	22	15-21,23,	242	2.6	14,156	3.83	542		11	80	-587	+.08	-10	-26
10-29-62 1138451 4307922 9-72				51,54,85	32		14,943	3.75	560							
1440251 SLEEPY HOLLOW KING LADDIE.....		1	54	1-93	54	2.0	19,617	3.55	697		2	28	+197	-.01	+6	+11
02-06-63 1284716 4372916 5-73					21		19,413	3.56	692							
1440254 SCHAFFERLAND TIDY OLEY.....		1	21	1-41	21	2.0	14,864	3.49	519		**	25	-61	-.01	-3	-4
01-09-63 1292482 4253728 5-73					9		15,191	3.52	535							
1440267 PALM SKY ORMSBY LINER.....*		2	9	1-34	16	2.4	14,559	3.45	503		9	33	-77	-.02	-6	-7
10-30-61 1244845 4600335 5-73					30		14,840	3.54	526							
1440269 SWAMPY HOLLOW R A CHAMPION....*	23-11	46	2	2-22,23	61	2.3	13,148	4.05	533		19	78	-1,342	+.25	-16	-54
C3-10-63 1342656 3890656 5-73					21		14,918	3.75	559							
1440302 SAMMAY REMER IDEAL.....*		6	2	2-35,41	11	1.9	15,040	3.74	563		43	36	+348	-.01	+11	+20
11-16-62 1392586 3631445 5-73					8		14,037	3.80	534							

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HD	STATES NO- WITH MOST DAUS	DAUGHTERS AND HEROMATES: DAUS HM/DAU	REC/DAU HERODAU	MILK MILK	% %	FAT FAT	IST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1440331 KEMPFWOOD PABST CANARY.....		3	7	1-34	10	2.4	11,211	3.69	414	38	26	-45	.00	-2	-3
C3-25-61 1125465 4582843 5-73					14		11,053	3.75	415						
1440335 FAIRFIELD CARNATION NIP.....*		3	19	3-55,57,	23	1.6	14,245	3.30	470	16	27	-153	+.02	-3	-7
11-17-62 1178236 4503638 5-73				58	30		14,868	3.25	483						
1440355 CHEAT-HAM PRIDE ADMIRAL-TWIN..*		3	7	2-57,58	15	2.3	14,993	3.31	497	13	35	+343	-.04	+7	+16
12-13-62 1237057 3891678 5-73					21		13,959	3.37	471						
1440457 APACHE REFLECTION GERONIMO....*		1	10	1-86	10	2.4	15,976	3.17	506	10	22	+119	-.04	-1	+3
12-10-62 1437235 4980070 5-73					139		15,554	3.30	513						
1440462 GREEN VALE FOBES.....		3	5	1-34	12	2.1	13,629	3.43	468	33	32	+33	-.04	-5	-3
C4-29-61 1244645 3484196 9-72					12		13,430	3.59	482						
1440474 FERRUM IVANHOE AMY.....*		8	6	2-52,55	22	2.3	15,087	3.73	562	25	46	-131	+.06	+4	-1
C8-31-62 1189870 4268002 5-73					20		15,484	3.59	556						
1440519 OAKTON CRITERION.....*		3	8	1-86	15	2.3	15,219	3.27	498	13	33	+50	-.03	-3	-1
11-03-62 1244844 4144905 5-73					89		15,142	3.37	510						
1440531 EDGEWOOD HALL CUPID.....*		8	13	5-81,82,	38	2.5	15,255	3.38	516	0	48	+205	-.06	-2	+5
C2-20-62 1189870 3701926 5-73				87,91,93	14		14,880	3.51	523						
1440541 REDFIELD BURTON JOY SEGIS.....		2	10	1-46	12	3.2	15,469	3.37	522	0	27	+340	-.04	+6	+15
11-24-62 1338043 5088321 5-73					6		14,178	3.50	496						
1440547 PEBBLELANE ROBURKE CHAMBRIC...*		12	13	2-16,21	43	2.5	15,496	3.78	585	13	52	+122	+.13	+23	+23
C1-12-63 1276654 4307320 5-73					22		15,359	3.54	543						
1440591 HABERDALE MAGISTRATE CALVIN...		1	21	1-35	21	1.8	14,127	3.64	514	**	25	-33	-.01	-3	-3
12-14-62 1249795 3672159 5-73					16		14,249	3.73	531						
1440614 OAIRYLOU MUTUAL PAUL.....	35-75	77	3	16-32,41,	108	1.4	16,248	3.50	568	10	82	+623	-.10	+7	+25
12-03-62 1287974 3842220 5-73				52,55,91	46		15,612	3.61	564						
1440630 SKY VU CHIEFTESS PROSPECT.....		2	10	1-41	12	1.4	14,116	3.71	523	**	22	-311	.00	-11	-18
11-29-62 1415997 4657902 5-73					24		15,640	3.74	585						
1440668 DAN EDGEWOOD JJ.....*		2	23	1-41	25	3.0	16,030	3.28	525	16	29	+491	-.09	+4	+18
C2-13-63 1416711 5504124 5-73					15		14,350	3.55	509						
1440684 STEWART TIDY IVANHOE FOBES....	35-21	151	2	8-35,41,	185	1.9	13,880	3.75	520	14	91	-420	+.10	-1	-14
11-09-62 1287090 4315501 5-73				42,43,47	16		14,336	3.65	523						
1440799 BUR-OEL GLEN IVANHOE CHIEF....*		6	7	2-51,73	17	2.1	14,838	3.57	530	44	36	+292	-.02	+8	+15
C6-19-62 1189870 4562105 5-73					81		13,996	3.63	508						
1440808 SUNNYSIDE BLUE CHIP.....	41-01	222	3	9-41,42,	331	1.9	14,919	3.49	521	14	94	+116	-.08	-7	-2
09-14-62 1283917 4457689 1-73				46,82,87	15		14,840	3.58	531						
1440809 SUNNYSIDE LEADER FOBES.....	35-21	54	2	5-35,41,	74	2.4	13,836	3.64	502	19	81	-248	-.01	-10	-16
C2-26-63 1242338 3745107 5-73				42,43,47	16		14,083	3.66	515						
1440842 RUSTIC BARON CENTURION.....		1	28	1-34	28	2.6	17,069	3.52	600	8	28	+297	-.05	+4	+12
11-16-62 1258981 5459366 5-73					6		16,185	3.67	594						
1440859 MAN-O-WAR B F ESTEEM DUKE.....*		8	5	5-21,23,	17	2.2	14,677	3.27	480	0	42	+260	-.10	-5	+4
12-13-62 1344345 4036415 5-73				33,34,52	300		14,027	3.51	492						
1440914 KEMPFWOOD LAD ROYAL.....*		1	14	1-34	14	2.2	12,329	3.89	479	0	24	-420	+.02	-12	-23
C1-27-63 1397752 4417084 5-73					15		14,033	3.81	534						
1440944 PACLAMAR SENATOR HE-MAN.....*		6	15	3-22,35,	41	2.9	14,720	3.63	534	8	49	+111	-.03	0	+3
C4-20-63 1252985 3789034 5-73				74	19		14,503	3.70	536						
1440946 PACLAMAR SENATOR KNIGHT.....		1	53	1-84	53	1.9	14,012	3.28	460	9	27	-104	-.02	-7	-9
C5-02-63 1252985 4024980 5-73					27		14,396	3.36	484						
1440955 WSC-FALCON OARK ADMIRAL.....*		3	26	1-35	32	2.0	12,242	3.68	451	**	30	-494	+.03	-14	-26
12-05-62 1214152 4695975 5-73					12		13,848	3.62	501						
1440961 NORCLIFF ALBAN CHALLENGER.....*		3	5	1-86	11	2.8	17,385	3.34	581	13	33	+677	-.06	+16	+34
C1-01-63 1318761 4182941 5-73					127		15,452	3.47	536						
1440965 GRAY VIEW X PREVIEW.....*		10	42	3-57,61,	62	2.5	15,643	3.85	603	8	37	-316	+.14	+8	-3
12-07-62 1378594 4680791 5-73				63	35		16,728	3.51	587						
1440993 ADMIRAL JERRY PRIDE.....*		7	16	2-32,64	28	3.5	12,250	3.45	423	4	39	-253	-.03	-14	-19
12-12-62 1237057 3975551 5-73					10		12,729	3.57	455						
1441024 EE-DAH-HOW CRESCENT COMBINE...*	91-11	3	29	2-42,82	33	3.0	14,275	3.34	477	4	31	+86	-.01	+1	+3
C8-21-62 1188731 5053789 5-73					15		13,957	3.37	470						
1441025 BRADSTEAD ROSNI PABST TONY....	35-75	48	3	12-21,35,	84	2.6	17,400	3.48	605	10	82	+1,244	-.12	+26	+59
C3-10-63 1296729 3925842 5-73				41,55,93	63		16,040	3.61	579						
1441048 SALINE VALLEY BJRKGOV SHEBOY..	48-01	205	7	5-47,48,	720	1.8	14,864	3.61	536	16	96	+68	+.07	+12	+12
11-28-62 1036509 3909403 5-73				73,74,84	24		14,837	3.53	524						
1441063 WALHOWOOD IVANHOE RELAY.....*		12	2	5-11,12,	16	3.4	14,561	3.91	569	0	51	+104	+.11	+19	+19
C1-03-63 1189870 5309195 5-73				13,14,16	19		14,354	3.71	533						
1441074 HOLMAR CURTISS BLAKE.....*		1	23	1-51	23	2.6	14,468	3.89	563	0	27	+466	+.05	+24	+34
12-24-62 1384455 4776853 5-73					16		12,572	3.73	469						
1441099 ALMAC SUDEAN-TWIN.....*	21-10	31	1	2-13,21	32	2.7	14,539	3.71	540	17	69	-462	+.08	-5	-18
10-23-62 1143578 4400526 5-73					22		15,306	3.61	552						
1441148 GRAY VIEW SKYCROSS.....*	33-03	2,720	5	46-21,23,	5,958	1.9	14,371	3.71	533	15	99	-543	+.10	-6	-21
C2-27-63 1378594 3352652 5-73				31,35,41	25		14,975	3.62	542						
1441149 GRAY VIEW X PAYMASTER.....*		19	2	7-33,35,	36	1.9	14,715	3.66	539	14	61	+205	+.07	+17	+20
C3-13-63 1378594 3955227 5-73				42,45,46	20		14,378	3.55	510						
1441156 GRAY VIEW CRISSCROWN.....*	33-03	18	2	8-35,41,	26	2.0	14,842	3.73	554	10	59	-158	+.02	-3	-7
11-01-62 010218036 3167991 5-73				42,48,93	30		15,190	3.73	566						
1441200 RHAMEFIELDS SIR CHARLIE WILL..		2	20	1-34	31	3.1	17,281	3.47	599	4	37	+739	-.06	+18	+37
C6-26-62 1179372 4304711 5-73					29		15,389	3.59	553						
1441254 ROMANDALE JAMAICAN.....*		21	22	5-14,16,	83	1.9	14,672	3.57	524	9	56	-104	+.04	+2	-2
12-02-61 010198998 011555100 5-73				21,22,23	28		14,912	3.49	521						
1441275 WISBEE LADY MASTERFUL.....*		4	13	2-21,34	18	2.2	15,570	3.46	538	29	30	-114	-.03	-8	-10
C2-28-63 1305460 3648277 5-73					21		16,132	3.56	575						
1441287 CLARAMAC ROYAL PONTIAC IDEAL..		7	2	1-34	10	2.3	14,016	3.37	473	0	38	-362	-.06	-21	-28
C1-20-63 1397752 5315125 5-73					14		15,045	3.54	532						
1441298 FOXLEASE EFFICIENCY.....*	35-21	70	3	6-21,34,	107	2.4	17,596	3.50	615	13	84	+1,663	-.15	+36	+80
12-19-62 1139870 4231933 5-73				35,52,93	22		15,753	3.67	578						
1441319 PACLAMAR SENATOR COMMODORE....		1	12	1-47	12	3.1	13,557	3.62	491	9	25	-54	+.01	-1	-2
12-17-62 1252985 3931488 5-73					13		13,737	3.63	497						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS HM/DAU	REC/DAU HEROMATE	MILK	%	FAT	% INC	1ST REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1441337 HILMAR IVANHOE PRINCE.....		1	24	1-93	24	2.4	19,891	3.46	689	0	27	+82	-.01	+2	+4
C1-26-63 1215448 5136037 5-73					47		20,162	3.48	701						
1441349 PINEYHILL GAYLORD.....*		9	6	2-92,93	23	1.3	17,948	3.47	622	**	43	+546	-.05	+12	+26
12-03-62 1391977 3235970 5-73					47		16,922	3.56	603						
1441439 PENSTATE IVANHOE PEFLECTION...*	31-02	4	22	2-31,56	28	2.5	16,568	4.03	668	7	31	+102	+.06	+12	+13
C1-10-63 1189870 4562454 5-73					24		16,443	3.90	641						
1441440 PENSTATE IVANHOE STAR.....*	23-09	818	5	22-23,50,	2,017	2.1	15,582	3.74	583	9	99	+912	+.04	+39	+60
01-20-63 1189870 3279562 5-73				51,52,65	19		14,687	3.72	546						
1441441 PENSTATE IVANHOE AUTOCRAT.....*		5	61	3-23,43,	133	2.3	13,132	3.75	492	**	47	-273	+.06	-1	-9
02-08-63 1189870 3461643 5-73				48	95		13,635	3.62	494						
1441458 OIBBLE CRUSADER NELCROSS.....*	35-05	106	2	6-35,41,	157	2.0	14,001	3.71	520	21	89	-547	+.06	-12	-26
C7-09-62 1378594 3941882 5-73				42,47,74	18		14,639	3.66	536						
1441471 HAYSSEN SHAMROCK REBEL.....*	34-01	59	2	3-32,34,	82	2.0	14,732	3.55	523	20	83	+88	-.04	-3	0
C4-05-63 010260599 5218949 5-73				61	19		14,651	3.61	529						
1441472 HAYSSEN ROCKMASTER.....*		16	1	6-21,33,	17	2.7	14,785	3.94	582	7	54	-306	+.14	+9	-2
C4-12-63 010260599 3184976 9-72				34,35,47	21		15,462	3.69	570						
1441516 TRANQUILLITY SIGNET HAVEN.....*		2	12	1-22	17	3.6	18,181	3.60	655	0	33	+483	.00	+17	+29
01-24-63 1413711 4488388 5-73					45		16,975	3.61	613						
1441517 MAC SWAN FOND CAPTAIN.....*		5	6	2-14,21	17	1.8	13,476	3.32	447	23	37	-724	-.07	-36	-51
08-12-62 1144239 4020689 1-73					20		15,547	3.53	549						
1441525 MAYERS DUKE CAMELLA JOE.....*		3	44	2-23,41	48	2.1	15,542	3.61	561	23	29	-66	.00	-3	-4
C5-08-62 1293580 4062308 5-73					23		15,928	3.65	582						
1441529 MAYERS DUKE DOUBLE ANNA.....*	35-05	45	2	3-35,41,	66	2.2	13,699	3.62	496	19	78	-511	-.03	-23	-34
12-06-62 1293580 3712504 5-73				42	17		14,350	3.67	527						
1441611 VIGO REFLECTION PABST.....*		2	19	1-35	21	3.5	15,094	3.82	576	10	30	-167	+.01	-4	-8
C1-03-63 1383551 3863896 5-73					11		15,795	3.81	601						
1441665 ELLINGDALE GINGER PONTIAC.....*		2	30	2-35,41	34	2.6	13,271	3.73	495	9	30	-88	+.03	+1	-2
07-31-62 1258673 4686520 5-73					9		13,473	3.61	487						
1441685 SEARS MASTER OCEAN PRINCE.....	21-10	64	1	6-11,12,	73	2.5	14,462	3.51	508	17	82	-332	-.04	-18	-25
C1-16-63 1085978 4711263 5-73				13,14,21	24		14,919	3.57	532						
1441692 BREEZAC REFLECTION FABIAN.....*		4	7	2-34,35	12	2.7	14,045	4.12	578	11	31	+190	+.06	+16	+19
03-05-63 010260599 4980221 5-73					9		13,316	3.95	526						
1441695 UNH CHARIOTEER JUBILEE.....*		2	43	1-12	50	2.0	19,644	3.41	669	27	30	+887	-.07	+21	+44
12-03-62 1254887 489C230 5-73					13		16,976	3.59	609						
1441733 JUSTA-BEAUTY LOCESTA CLIPPER..*		21	25	5-21,22,	109	2.1	14,254	3.98	568	15	60	-295	+.17	+13	+2
11-23-62 1397984 4847318 5-73				23,57,73	18		14,786	3.72	550						
1441738 FROGMORE PONTIAC POLARIS.....*	33-03	10	7	3-21,23,	32	2.4	15,185	3.47	527	4	53	+410	-.07	+5	+17
12-27-62 010260599 4649181 5-73				52	22		14,415	3.59	518						
1441742 FROGMORE PONTIAC ROYAL.....*		11	19	1-21	51	2.5	15,432	3.40	524	11	49	-305	-.06	-19	-25
C4-16-63 010260599 3916372 5-73					29		16,245	3.51	571						
1441749 SARGES BUTTER BOY CHIEF.....		3	6	1-48	13	3.2	12,970	3.52	457	0	36	-139	-.02	-8	-11
C8-07-62 1249430 4953785 5-73					22		13,242	3.62	479						
1441755 OUTAGAMIE PRESIDENT COMET.....*		4	35	1-35	44	2.3	15,825	3.50	554	8	33	+160	-.01	+4	+8
C1-11-63 1284262 4541931 5-73					6		15,421	3.52	543						
1441761 FARMSTEAD MARS SAUL.....		1	40	1-34	40	2.6	15,468	3.92	607	8	29	+292	+.06	+19	+24
03-13-63 1367170 3778013 5-73					8		14,475	3.76	545						
1441769 RUSSINWOOD CAVALIER.....*		4	4	3-33,64,	10	3.4	13,230	3.95	522	0	34	-596	+.08	-10	-26
01-03-63 010212300 4460011 1-73				87	104		15,075	3.71	559						
1441792 BRANCREST MASTER FOBES GIL....	21-10	40	1	2-13,21	41	2.5	14,157	3.57	506	25	73	-455	+.02	-14	-25
12-14-62 1105728 3830990 5-73					25		14,822	3.56	528						
1441893 OWNBROOK ADVANCE ARMOR.....*		2	20	1-23	22	2.6	16,126	3.55	572	11	29	-151	-.01	-7	-10
01-01-63 1156447 3668954 5-73					25		16,909	3.59	607						
1441904 RAINBOW SKY PERFECTION.....*		1	15	1-34	15	3.2	15,093	3.45	520	0	26	+103	-.02	+1	+4
C7-15-62 1244845 4989326 5-73					12		14,734	3.50	515						
1441924 RWJS ADMIRAL CONCENTRATE.....	93-16	8	7	1-93	31	1.3	17,104	3.43	586	10	47	-226	+.01	-7	-13
C3-21-63 1098656 4646326 5-73					101		17,943	3.42	613						
1441930 WALLMAC HILDA INKLE PRINCE....		2	36	1-52	51	2.7	13,303	3.59	477	**	37	-209	.00	-8	-13
06-08-62 1223904 4435072 5-73					4		13,817	3.62	500						
1441936 CHJATHOLM MATCHLESS.....*		1	12	1-21	12	2.3	12,528	3.46	433	36	22	-284	-.02	-13	-19
08-17-61 1322069 3361394 5-73					38		13,737	3.59	493						
1441943 PINEHURST TRIUNE TREASURE-TWIN*		11	6	3-14,21,	29	2.6	15,643	3.59	562	24	54	-470	-.04	-23	-33
C4-11-63 1286826 3956096 5-73				22	35		16,752	3.68	616						
1441952 80-NO IDEAL JET ORBIT.....*		1	26	1-93	26	2.1	18,877	3.30	623	30	26	+128	-.05	-2	+2
07-17-62 1113350 4424529 5-73					38		18,834	3.44	648						
1441972 MR SOUZA BUDDY HERO.....		3	10	1-93	14	2.6	16,866	3.48	587	9	29	+665	-.03	+19	+36
C2-18-63 1259934 4532909 5-73					44		14,592	3.58	522						
1441973 TARA HILLS FOND IVANHOE.....*		41	2	16-13,16,	54	1.9	14,604	3.79	554	16	74	-582	+.14	-2	-19
03-04-63 1189870 5102623 5-73				21,22,23	34		15,507	3.63	563						
1442001 U M IVANHOE A ALLSTAR.....*		4	10	1-11	20	3.0	16,525	3.78	625	12	38	+210	+.02	+11	+15
02-11-63 1189870 4275680 5-73					22		16,149	3.75	605						
1442031 JONESTER CARNATION RUBE.....*		8	3	2-33,35	16	2.4	14,969	3.64	545	0	46	+259	-.01	+8	+14
12-30-62 1305460 3434070 5-73					14		14,410	3.66	528						
1442037 PABST ADMIR RERD.....*		1	24	1-21	24	2.0	13,052	3.55	463	9	26	-308	+.06	-3	-12
02-15-63 1358647 3690058 5-73					13		14,215	3.34	475						
1442062 SHEPIERRA CASEY.....		2	13	2-35,47	15	3.3	13,688	3.68	504	13	28	-277	-.02	-13	-19
C8-03-62 1355938 4277292 5-73					10		14,711	3.78	556						
1442074 EBELT ORMSBY COUNT.....*		1	10	1-35	10	3.2	14,039	3.78	531	10	24	-57	+.02	+1	-1
C2-16-63 1255166 4979027 5-73					14		14,269	3.69	526						
1442099 WHITE HEIGHTS ROSE IMPERIAL...*		2	13	1-32	21	3.3	12,997	3.65	475	0	35	-127	+.03	-1	-5
11-01-62 1230640 3389349 5-73					37		13,246	3.59	476						
1442112 JONACRE WIS CAPTAIN.....*		4	11	1-42	20	1.9	12,346	3.60	445	40	33	-371	+.02	-11	-20
02-11-63 1144239 5112742 5-73					11		13,367	3.57	477						
1442117 JEWELHOLM SUPREME BUTTERMAN...*	35-75	25	15	9-13,16,	61	1.9	17,300	3.54	612	19	55	+375	-.02	+11	+20
C2-20-63 1341149 4751605 5-73				21,34,41	12		16,867	3.56	600						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HO	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS HM/DAU	REC/DAU HEROMATE	MILK	%	FAT	% 1ST INC	% REPT	PREDICTED DIFFERENCES MILK	%	FAT	%
1442120 JEWELHOLM RHODA PRINCE.....		2	20	1-14	35	1.9	12,891	3.89	501	13	36	-17	+.04	+5	+4
C3-06-63 1303502 4802827 5-73					58		12,780	3.79	485						
1442259 SEJUDIA TELSTAR.....		2	32	1-93	34	1.6	20,207	3.53	714	29	26	-161	-.03	-10	-13
12-18-62 1274923 3923579 5-73					80		21,536	3.63	781						
1442271 DISTINCTION CO-PILOT BUTTER...*		4	15	2-35,57	22	2.9	14,957	3.58	536	10	34	+191	-.03	+3	+8
C3-01-63 1358957 4864135 5-73					17		14,400	3.67	529						
1442308 FICKELSTEIN JOHNUKE-TWIN.....*		10	3	5-41,48,	16	2.3	13,143	3.64	479	10	45	-272	+.07	0	-8
12-31-62 1296576 3579039 5-73				71,73,84	25		13,681	3.48	476						
1442379 WERN FARMS PIETJE B LAD.....		2	44	2-35,63	46	1.8	11,478	3.50	402	11	28	-174	.00	-6	-10
C1-28-62 1350190 2988187 5-73					29		11,857	3.51	416						
1442431 DUELWOOD SEARS KAHN.....*	21-10	121	2	4-13,21,	173	2.8	15,737	3.48	547	14	91	+319	-.08	0	+10
11-17-62 1285978 4112322 5-73				22,23	24		15,497	3.55	550						
1442462 GRAY VIEW X TRADEMARK.....*		18	5	3-35,74,	44	2.0	15,145	3.70	560	15	65	+54	+.01	+4	+5
03-24-63 1378594 4397177 5-73				91	20		15,135	3.69	558						
1442477 ST CROIXCO PRAIRIE LARK.....*		4	22	1-35	28	2.9	16,333	3.83	625	14	32	+331	-.03	+8	+17
12-14-62 1291499 4808023 5-73					23		15,396	3.96	609						
1442478 ST CROIXCO PRAIRIE RULER.....*	35-05	27	2	4-23,33,	42	2.5	14,173	3.68	521	11	71	-208	+.03	-3	-9
12-20-62 1291499 4443081 5-73				35,42	16		14,475	3.64	527						
1442549 KAECH MADCAP COLANTHA.....*		5	5	1-91	19	2.2	14,911	3.53	527	**	45	-54	-.06	-11	-11
C3-23-63 1277619 4658919 5-73					20		15,104	3.69	557						
1442573 JA-SAL JOSIE WIS LEADER.....		1	23	1-48	23	2.3	12,147	3.48	423	0	26	-67	-.02	-5	-6
10-23-62 1313490 4752939 5-73					13		12,188	3.58	436						
1442589 CORDES RUSTIC LEADER COMRE.....		3	8	1-43	13	1.6	14,297	3.56	509	20	28	+255	-.02	+6	+13
C5-29-63 1242338 4904487 5-73					12		13,269	3.63	482						
1442601 LIME ROCK DRUMMER GEORGE.....*		5	22	3-23,55,	31	2.6	14,444	4.04	583	23	34	-250	+.04	-4	-11
C8-16-62 1326835 3887410 5-73				73	19		15,282	3.98	608						
1442609 ELMWOOD HOPE COMET.....*		2	19	1-35	21	1.8	17,223	3.54	610	**	27	+286	.00	+10	+17
C4-21-63 1243697 4436749 5-73					8		16,347	3.55	580						
1442658 TERJOI LEADER RAVEN ODNOI.....	35-75	18	1	4-35,41,	19	2.0	16,333	3.56	581	23	53	+5	.00	0	0
C2-16-63 1259069 4241313 5-73				55,93	55		16,538	3.55	587						
1442837 PIEBE KORNOYKE PAULINE KING...	51-02	124	2	7-22,23,	181	2.4	14,170	3.61	512	15	91	-352	-.02	-16	-24
02-02-63 1253152 3580604 5-73				51,52,54	23		14,575	3.65	532						
1442882 HIV-LAN CREATOR LEX.....*		2	16	1-32	32	3.5	14,783	3.78	559	3	43	+21	+.04	+7	+6
C1-14-63 1450296 4403061 5-73					17		14,772	3.68	544						
1442889 RIDGELY SAGE.....*		6	7	3-12,13,	15	2.3	15,735	3.68	579	23	34	+81	+.02	+6	+7
C4-30-63 1181068 4465804 5-73				21	26		15,619	3.62	566						
1442904 KEYSTONE SUN ADMIRAL.....*		7	2	2-22,23	11	2.6	16,335	3.72	607	22	39	+208	-.02	+4	+10
02-11-63 1237057 3409768 5-73					29		15,959	3.80	606						
1442966 MACOMBER ADMIRAL PILOT.....		1	34	1-33	34	2.5	13,691	3.51	481	23	28	-276	-.04	-15	-21
12-22-62 1237057 4384772 5-73					8		14,728	3.67	541						
1443016 VISTA GRANDE HAVEN SENSATION..*		7	3	1-23	14	2.6	16,589	3.38	561	8	41	+612	-.14	+1	+19
11-06-62 1079658 3943008 5-73					16		15,167	3.71	563						
1443077 WHITE STAR MISTER MARC.....*		3	13	1-35	17	2.1	15,697	3.59	564	43	27	-109	+.01	-3	-6
12-21-62 1274684 4229420 5-73					23		16,289	3.59	585						
1443110 COUNCIL ROCK ASTRONAUT.....*		4	21	2-13,21	39	2.5	15,939	3.66	583	16	40	-175	.00	-7	-11
C3-12-63 1282185 4789597 5-73					31		16,571	3.70	613						
1443113 COLLINS-CREST TRADITION.....*		15	39	4-11,14,	58	3.1	19,083	3.39	647	5	43	+837	-.14	+9	+33
10-25-62 010260599 5058531 5-73				16,21	31		17,422	3.66	637						
1443142 SPRING-BELLE ADMIRAL ECHO-TWIN*		2	11	1-23	13	2.5	14,561	4.07	592	10	26	-158	+.04	0	-5
11-13-62 1237057 4566386 5-73					11		15,263	3.95	603						
1443161 SOUTHWAY PEARL TIDY JOE.....	35-75	46	3	14-21,34,	78	2.5	16,972	3.61	613	11	80	+798	.00	+29	+48
12-15-62 1189579 3757734 5-73				41,55,93	49		16,155	3.61	583						
1443217 ROMANDALE REFLECTION ATLAS....*		79	13	8-13,16,	177	2.3	14,066	3.69	519	13	81	-819	+.10	-16	-38
C7-01-56 010178998 4519244 5-73				21,23,87	42		15,159	3.58	542						
1443231 BURNLEY INKLE HI HOPE.....		2	18	1-52	20	2.4	12,498	3.46	432	0	28	-211	.00	-8	-13
C3-04-63 1223904 4528400 5-73					23		13,121	3.49	458						
1443266 MALLARY HERALD.....*		14	11	4-11,13,	34	2.2	16,496	3.55	586	6	47	+323	-.09	-1	+9
C3-28-63 010260599 2877198 5-73				14,16	20		15,964	3.74	597						
1443330 COOL LAWN GENERAL HOLLY.....*		2	9	1-51	15	3.5	14,343	3.65	523	0	34	-240	-.02	-11	-16
10-15-62 1215402 4377869 5-73					27		15,118	3.72	562						
1443355 WISOE GOLDRICK GLEN.....*		2	34	2-74,91	36	1.8	12,985	3.56	462	6	27	-24	.00	-1	-2
12-25-62 1317558 4628881 5-73					56		12,932	3.57	462						
1443391 LECAL HEADMASTER HIBOY.....		2	25	1-11	27	2.5	12,144	3.57	433	**	29	-381	.00	-14	-23
C4-19-62 1349329 4311441 5-73					15		13,384	3.61	483						
1443425 TIDY BURKE FOBES OEAN C.....*		10	7	4-43,47,	31	2.4	16,033	3.41	547	8	52	+131	-.07	-5	0
C2-23-63 1440686 4414066 5-73				48,73	21		15,937	3.53	562						
1443428 SIR GEWINA DAWN BOMBER.....*		2	11	1-42	14	2.0	10,353	3.55	368	0	27	-446	.00	-16	-27
C3-05-62 1329812 4150709 5-73					4		11,764	3.60	423						
1443434 BACONFARM ROYAL MASTER BOY....*		1	12	1-43	12	3.2	19,006	3.60	684	17	25	+351	-.02	+10	+19
C9-15-62 1305460 5099968 5-73					24		17,956	3.66	657						
1443505 LOCKWAY LUCIFER BILL IVANHOE..*		7	24	2-23,51	51	2.2	15,384	4.05	623	2	43	-125	+.14	+16	+9
C1-16-63 1189870 4875773 5-73					26		15,820	3.75	593						
1443520 BUTTERCUP DESIGN MAPLE.....*		2	35	1-35	37	2.5	14,172	4.19	594	9	30	+35	+.05	+8	+8
C4-20-62 1386406 4194813 5-73					20		14,018	4.09	573						
1443523 GRAHAVEN KINSMAN-TWIN.....*		5	18	2-22,34	27	1.7	13,472	3.47	468	60	31	-178	.00	-6	-10
C2-24-63 010264804 011132877 5-73					21		14,015	3.47	487						
1443581 SARGES INSIGNIA COMET.....		1	46	1-48	46	2.4	14,370	3.67	528	3	29	+99	.00	+4	+6
C8-25-62 1179372 3887548 5-73					13		13,986	3.68	515						
1443591 PAWNEE FARM ROMAN PETE.....		1	16	1-47	16	2.4	12,529	3.50	439	0	26	-481	+.01	-16	-28
C1-02-63 1414652 3885856 5-73					5		14,388	3.50	504						
1443688 DE-WA-SEE CARLJO PRIDE ADMIRAL*		5	31	2-32,34	58	2.3	14,892	3.72	554	25	40	-112	+.01	-2	-5
01-13-63 1237057 5026119 5-73					13		15,259	3.70	565						
1443734 ARLINDA DOLLY ACE.....*		1	18	1-88	18	1.7	14,794	3.21	475	**	24	-281	-.01	-12	-18
C3-14-63 1407724 4515305 5-73					27		16,163	3.29	532						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	...DAUGHTERS AND HERDMATES... DAUS	REC/DAU HM/DAU	HERDMATE MILK	% MILK	% FAT	FAT	1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1443705 ARLINOA BJRKE ELSIE LEADER....		1	20	1-88	20	1.9	15,101	3.34	504	**	25	-220	-.05	-15	-19
05-01-63 1150470 4805750 5-73					13		16,169	3.56	576						
1443756 BONSDALE FAIR HILL OART.....*		4	45	2-51,55	54	2.8	14,206	3.79	538	4	34	+299	+.03	+15	+21
12-25-62 1388982 4315304 5-73					28		13,202	3.72	491						
1443820 RUNNINGWELL RELIGHT MIKE.....		1	13	1-34	13	2.3	14,208	3.62	515	**	24	-56	+.01	0	-2
04-01-63 1333144 4542949 1-73					13		14,453	3.60	521						
1443829 LAR-BOB GRAY VIEW PRIDE.....*	35-21	12	10	3-35,41,	38	2.2	17,369	3.67	638	6	51	+707	+.02	+28	+44
02-13-63 1244845 3844185 1-73				42	14		16,153	3.65	590						
1443880 FLEMINGDALE REFLECTION SOV....*		1	11	1-21	11	2.6	13,099	3.78	495	18	23	-399	+.04	-9	-19
10-01-62 010229512 010977123 5-73					44		14,894	3.64	542						
1443894 LIME ROCK G O GOLD MASTER.....*		4	3	1-23	11	2.8	15,241	3.63	554	10	36	+148	-.02	+2	+6
08-02-62 1326835 4574958 5-73					18		14,879	3.71	552						
1443906 CAL-CLARK TEMPLATE PERFECTION.*		2	14	1-93	16	2.2	14,731	3.80	560	13	26	-11	+.01	+1	0
03-13-63 1384331 4403445 5-73					42		14,821	3.79	561						
1443908 JO-JON RAG APPLE IRVING.....		1	11	1-93	11	1.6	17,417	3.47	605	**	21	-178	-.01	-8	-12
03-22-63 1237057 5131669 5-73					98		18,699	3.53	661						
1444066 HOPPERS TOPPER OUKE.....*		6	5	2-63,65	14	2.6	15,224	3.50	533	**	38	+112	-.01	+3	+6
03-24-63 1293580 4778283 5-73					29		14,988	3.50	525						
1444122 STOFFELL KNIGHT EMPEROR.....		1	12	1-52	12	1.5	13,648	3.40	464	**	21	+22	-.02	-2	-1
09-19-62 1248502 4401297 5-73					6		13,447	3.54	476						
1444123 STOFFELL GRAND EMPEROR.....*		2	18	1-63	22	2.1	15,330	3.59	551	15	29	-162	+.03	-2	-7
09-24-62 1248502 4512448 5-73					9		16,071	3.53	567						
1444129 WINDY TRAIL SKOKIE KING.....*		1	11	1-51	11	3.3	13,748	3.69	507	0	25	-208	+.01	-6	-11
03-10-62 1326839 4522019 5-73					41		14,611	3.69	539						
1444150 FARMSTEAD ROYAL PONTIAC.....*		4	21	2-32,34	27	2.3	14,612	3.65	533	8	31	+297	+.02	+13	+20
10-12-62 1397752 3765696 5-73					50		13,577	3.59	488						
1444156 ROBURKE HAMPSTEAD HOPE.....*		3	7	1-52	10	2.4	15,002	3.71	556	0	27	+136	-.01	+4	+7
02-25-62 1250992 4941939 5-73					35		14,510	3.74	542						
1444166 GEM RAVEN STAR PRINCE.....*		6	26	1-31	67	1.9	13,649	3.82	521	21	47	-354	+.05	-6	-16
01-03-63 1274923 5267076 5-73					34		14,413	3.74	539						
1444178 DUTCH CORNER A LEADER.....*		6	9	2-21,92	28	1.8	15,132	3.61	547	23	43	-190	+.03	-2	-7
12-27-62 1379390 5163908 5-73					34		15,706	3.55	558						
1444217 JON-DE IDEAL RUSTY.....		1	14	1-35	14	3.1	13,996	4.04	565	9	26	+9	+.04	+6	+5
10-10-62 1324959 5214442 5-73					8		13,915	3.90	542						
1444273 MAYERS CAPITAINE MERCER.....*		2	17	1-42	31	2.2	15,337	3.51	539	17	37	+2	-.03	-4	-3
11-12-62 1394692 4981754 5-73					11		15,437	3.60	556						
1444289 SILVERLANE CAPSULE.....*		2	19	1-55	21	1.9	15,712	3.81	598	17	26	+52	+.04	+7	+7
02-24-63 1144239 4302474 5-73					27		15,638	3.70	578						
1444298 WOODLEDGE INKLE QUIZ.....		3	49	1-52	53	2.0	15,779	3.51	554	20	29	-150	-.03	-10	-13
12-10-62 1223904 4385938 5-73					26		16,516	3.63	600						
1444314 PLEASANT SITE IVANHOE KING....*		6	7	2-23,51	16	2.9	16,343	3.94	644	0	38	+148	+.06	+14	+16
01-20-63 1189870 4296694 5-73					16		16,126	3.83	617						
1444322 SOO GALE CRITERION PRIDE.....*		1	15	1-46	15	2.5	14,492	3.30	478	7	25	+54	-.01	0	+2
01-03-63 1244844 4080461 5-73					9		14,263	3.33	475						
1444332 CAFFDALE SHANGHIGH TYPE MASTER*		5	17	2-32,33	24	2.8	14,876	3.80	566	18	33	+20	+.02	+3	+3
01-02-63 1297401 4255921 5-73					30		14,863	3.77	561						
1444362 RICH-HERO SOVEREIGN TEXAL.....*		8	12	1-47	24	2.6	14,684	3.38	496	19	38	-374	-.12	-30	-36
12-12-62 1382939 4671002 5-73					38		15,806	3.70	585						
1444369 MAVIEW SHAMROCK MARCUS.....*		3	18	1-52	31	2.1	14,223	3.68	523	21	37	+9	.00	0	0
06-27-63 010260599 3686630 5-73					23		14,177	3.68	522						
1444394 OAN-VER ADMIRAL JAY.....*	33-03	4	11	1-93	18	2.3	19,954	3.46	690	0	32	+1,041	-.04	+31	+57
10-06-62 1237057 4609134 5-73					19		16,980	3.54	601						
1444415 TUM-A-LUM MISTY SHAMROCK.....*	33-03	47	9	14-11,12,	98	1.6	15,824	3.63	574	25	72	-117	-.10	-18	-18
03-17-63 010260599 3999206 5-73				13,16,23	22		16,165	3.77	609						
1444417 PALO OURO GOLDEN SEVEN.....		1	39	1-73	39	3.0	13,655	3.65	499	10	29	+35	+.01	+3	+4
01-03-62 1314085 4936473 5-73					10		13,442	3.61	485						
1444437 EDGEWOOD HALL INVINCIBLE OUKE.*		3	7	2-87,93	13	2.2	16,489	3.92	646	23	31	+67	+.03	+7	+8
07-02-63 1288610 3944182 5-73					47		16,485	3.85	634						
1444475 KLEISS IKE JANNA JAKE.....		5	6	1-42	15	1.7	13,647	3.46	472	8	35	-48	-.02	-5	-6
12-06-61 1387677 4953284 5-73					5		13,720	3.54	486						
1444485 E M C WHITE WONDER.....		5	22	1-93	41	1.9	17,953	3.32	596	16	39	+253	-.09	-4	+4
03-16-63 1386287 4815484 5-73					102		17,618	3.51	618						
1444488 RETLAW IDEAL MAJESTIC.....		1	21	1-41	21	2.0	13,534	3.66	496	26	25	-200	+.02	-4	-9
09-16-62 1342677 4800578 5-73					18		14,350	3.60	516						
1444525 IRON-RIDGE KNIGHT.....		1	14	1-35	14	2.9	14,356	3.46	497	25	25	+59	-.04	-3	-1
07-15-61 1345627 4716769 5-73					11		14,089	3.65	514						
1444569 PREVIEW MAGIC OUKE.....*		3	23	2-43,52	27	2.4	12,318	3.55	437	0	30	-472	+.04	-12	-24
01-13-63 1138451 5091154 5-73					18		13,845	3.43	475						
1444583 WILLEMS BJRKE FLORA FORTY-NINE*		1	13	1-41	13	1.0	11,749	3.40	399	**	19	-226	-.01	-10	-15
09-11-62 1283917 4381212 5-73					16		12,781	3.52	450						
1444650 TEXAL PINEHURST MAPLE.....*		6	18	5-32,34,	38	2.4	14,659	3.78	554	10	42	+12	+.05	+7	+6
08-01-62 010254804 5770848 9-72				35,72,73	33		14,658	3.68	539						
1444652 RANETT ADMIRAL COUNT.....*		4	7	2-32,35	17	1.9	14,578	4.01	585	18	36	-354	+.13	+5	-7
03-18-63 1374399 3550022 5-73					19		15,684	3.68	577						
1444741 SHAWS CHIEFTAIN CREAMELLE.....*	35-05	117	3	7-33,35,	186	1.8	13,247	3.70	490	26	90	-1,392	.00	-50	-83
06-04-63 1397517 3546455 5-73				41,42,74	18		14,640	3.71	550						
1444742 SHAWS CHIEF LESEYLA AIM.....*		4	23	1-21	38	2.0	14,873	3.95	588	26	36	-308	+.08	0	-9
06-16-63 1397517 3556988 5-73					36		15,891	3.76	597						
1444777 ROLLING LAWNS ALAN SUPREME....*		1	17	1-33	17	2.4	15,974	3.58	572	0	26	+66	-.02	0	+2
01-19-63 1382768 4999631 5-73					20		15,865	3.64	578						
1444805 KRULL PROSPERITY GOVERNOR.....*		13	1	5-33,34,	16	2.0	14,115	3.48	491	13	49	+245	-.06	0	+7
11-20-62 1403477 3965888 5-73				35,61,63	22		13,526	3.63	491						
1444809 HAMPS ORMSBY BURKE.....		4	42	2-55,57	50	2.6	13,570	3.29	447	4	32	-67	.00	-2	-4
02-18-63 1396112 2993742 5-73					9		13,711	3.29	451						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES ND- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS	REC/DAU HM/DAU	HERDMATE MILK	% MILK	% FAT	FAT	% 1ST INC	% REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1444841 SAXJJAC SHERRY SUPREME.....*	21-10	59	1	4-12,13,	63	2.9	14,820	3.75	556	11	81	-238	+.15	+13	+3
04-11-63 1136723 4338193 5-73				21,23	25		15,194	3.57	542						
1444843 MAYERS DUKE FOBES ANNA.....*		5	14	2-22,35	30	2.6	12,318	3.80	468	25	41	-555	.00	-20	-33
08-08-62 1293580 3914860 5-73					29		13,594	3.81	518						
1444849 JANELAND CAPTAIN BELLRINGER...		1	14	1-34	14	1.6	15,459	3.56	551	**	21	+111	-.03	-1	+3
05-13-63 1259069 5332937 5-73					11		15,010	3.76	564						
1444859 MOOSEHEART CRUSADER.....	33-03	218	2	32-21,23,	295	1.2	14,871	3.63	540	13	93	-67	+.01	-1	-3
02-08-63 1014925 3687388 1-73				33,41,51	27		15,035	3.63	545						
1444862 ATHLONE FILIP.....		1	50	1-64	50	2.4	12,260	3.87	474	10	29	-472	+.06	-9	-22
05-25-63 1080108 4198754 5-73					38		13,849	3.67	508						
1444907 WILLINA MAGIC FLASH.....*		1	13	1-91	13	2.3	12,990	3.78	491	18	23	-219	+.01	-6	-12
07-29-62 1257742 4001701 5-73					19		13,883	3.75	520						
1444935 KODI PRIDE ABE VAR.....*	91-13	17	21	3-82,91,	126	2.2	17,580	3.59	632	7	67	+526	-.03	+15	+28
01-28-63 1376340 4C55040 5-73				93	66		17,065	3.63	620						
1444974 KEN VER NEIL COUNT RAY.....*		9	13	1-48	39	2.6	16,028	3.72	596	12	48	-156	+.04	0	-5
09-15-62 1350414 4631449 5-73					22		16,574	3.64	604						
1444993 ZION RIDGE WALLIE JOE.....		2	8	1-61	11	1.9	14,049	3.28	461	17	25	+88	-.07	-7	-3
04-06-63 1190632 5051359 5-73					7		13,624	3.60	490						
1445000 PALO OURO GOLDEN NETHERLAND...		1	31	1-73	31	1.8	10,805	3.71	401	28	26	-575	+.05	-14	-29
09-01-62 1314085 3879297 5-73					4		12,866	3.51	451						
1445073 HAYSSEN DIAMOND CROSS.....*		10	5	4-23,35,	18	3.4	15,272	3.82	584	6	46	+355	+.01	+14	+22
05-15-63 1378594 4626213 5-73				41,47	22		14,512	3.85	558						
1445106 DIAMOND S SIR TR ABBIE.....*		4	4	1-93	11	1.4	17,973	3.49	628	38	29	+19	-.03	-3	-2
02-25-63 1304593 4194901 5-73					112		18,299	3.58	656						
1445158 BIG BOY ORMSBY ROYAL PONTIAC..		1	18	1-34	18	2.4	13,800	3.54	489	7	25	+13	.00	0	0
01-29-63 1397752 5321304 5-73					36		13,678	3.58	490						
1445194 S C P TDC BETO IDEAL.....*		1	14	1-74	14	2.7	14,194	3.49	495	0	25	+268	-.02	+6	+13
11-19-62 1376243 5162082 5-73					54		12,991	3.58	465						
1445198 SIGNET OAKLEA BESVIEW F.....*		10	13	2-23,54	31	2.2	15,826	3.82	604	4	42	+496	+.08	+30	+40
05-06-63 010249530 5805078 5-73					20		14,668	3.64	534						
1445210 CARNATION IDEAL FOUNDATION....*		8	3	1-91	16	1.6	12,451	3.64	453	14	41	-623	+.03	-18	-34
05-12-63 1175596 5024289 5-73					12		13,921	3.58	498						
1445219 CARNATION ROYAL PRIDE.....*		11	4	6-33,35,	19	1.7	13,921	3.75	522	8	44	-277	+.01	-8	-15
04-12-63 1305460 4280938 5-73				42,74,87	30		14,566	3.74	545						
1445221 CARNATION ROYAL PILOT.....*		4	7	3-23,51,	12	1.9	17,230	3.41	587	9	28	+502	-.07	+8	+22
05-30-63 1305460 5310778 5-73				52	26		15,573	3.62	563						
1445248 JERRY BIRDSEYE TRIUMPH.....		1	19	1-35	19	1.3	16,609	3.45	573	**	22	-87	-.04	-9	-10
08-08-61 1336183 3166406 5-73					14		17,296	3.64	629						
1445278 B D I SKOKIE CHAMP ABEL.....	51-02	229	4	7-21,23,	501	1.8	15,714	3.48	547	8	95	+1,030	-.18	+10	+39
05-28-63 1282185 4623793 5-73				51,52,54	25		14,661	3.68	539						
1445279 B D I REROYAL PAUL LUCKY.....*		3	59	1-52	75	2.9	16,132	3.42	552	2	36	+289	-.04	+5	+13
01-30-63 1192713 4821869 5-73					109		15,429	3.50	540						
1445282 GERAL HI HOPE CRUISER.....		2	7	1-82	13	2.6	13,341	3.93	524	31	31	-303	+.05	-4	-12
12-20-62 1250992 4869786 5-73					14		14,328	3.79	543						
1445295 CLEM TOWER CHIEFTAIN.....		2	12	1-34	14	3.7	17,817	3.71	661	7	29	+560	+.03	+24	+37
03-23-63 1253032 4741777 5-73					38		16,051	3.64	585						
1445303 VERMOUNT RAG APPLE KING.....*		2	8	1-22	10	2.8	14,046	3.79	532	11	25	+82	-.02	0	+2
10-21-61 010260599 010919104 5-73					23		13,638	3.94	538						
1445388 STILOGGIN MURIEL MISTER.....*		4	8	1-23	28	2.7	14,175	3.69	523	28	49	-425	+.03	-11	-22
01-17-63 1287089 4516686 5-73					23		15,126	3.65	552						
1445399 PABST CRISSCROSS LEADER.....*		4	29	1-21	35	2.5	14,107	3.80	536	18	31	-493	+.07	-8	-21
03-14-63 1378594 4230293 5-73					14		15,824	3.60	570						
1445445 LYON BROOK IVANHOE CLASSIC....*		12	1	3-14,21,	13	2.2	13,734	3.59	493	22	44	-465	+.03	-13	-25
07-29-63 1418796 5044766 5-73				22	19		14,830	3.54	525						
1445460 LODESTAR RYANCREST F A LAIRD..*		1	25	1-23	25	2.4	13,895	3.58	497	20	27	-48	-.01	-3	-4
02-09-63 1315718 3982178 5-73					17		14,039	3.65	513						
1445475 DEE ANN MATADOR.....*		2	12	1-93	14	2.1	17,767	3.49	620	0	25	+201	+.01	+8	+13
09-30-62 1230610 3894636 5-73					25		17,264	3.46	597						
1445487 ARLINDA AMBASSADOR.....*		6	15	2-87,93	30	2.0	16,425	3.67	602	27	38	-135	+.02	-2	-6
04-15-63 1283917 4458327 5-73					36		17,046	3.64	620						
1445520 SANDSDALE MAPLE TRIBUTE.....		2	13	1-23	15	1.2	11,373	3.61	410	11	22	-210	.00	-7	-12
01-23-63 1324149 5375710 1-73					7		12,100	3.61	437						
1445533 SUNGOLD RANDY DEE.....*		3	22	2-31,32	32	2.0	14,765	3.68	544	17	33	-177	+.03	-2	-7
11-09-62 1121706 4690865 9-72					12		15,405	3.62	558						
1445569 LAVACRES SOVEREIGN PIETJE.....*		15	16	2-84,93	94	2.2	17,646	3.58	631	11	65	+108	-.01	+3	+6
03-25-63 1382958 3948870 5-73					96		17,824	3.59	639						
1445575 EXRANCD NEPTUNE.....	93-03	4	21	1-93	30	2.8	18,328	3.39	621	0	35	+323	-.09	-1	+9
05-25-63 1098656 4902505 5-73					193		17,734	3.60	638						
1445604 CAPTAIN DJ VAR.....*		1	11	1-93	11	2.0	14,430	3.56	514	**	22	-293	-.01	-12	-19
04-26-63 1144239 4354173 5-73					9		15,895	3.62	576						
1445614 MOSSYRIDGE MILO REVELATION....*		9	6	6-31,33,	23	1.8	13,578	3.53	479	0	45	-175	-.03	-10	-14
02-04-63 1279190 4227094 5-73				35,55,74	48		13,925	3.61	502						
1445645 ST CROIXCO SUPREME MODEL.....	41-25	30	1	4-35,41,	34	2.5	14,050	3.64	511	13	69	+162	+.01	+7	+11
02-04-62 1347065 4904502 5-73				42,47	11		13,751	3.63	499						
1445725 HIGH MEADOW FARM SKY HIGH.....	33-03	222	2	33-21,23,	313	1.5	14,591	3.65	532	14	94	-17	+.03	+4	+3
02-10-63 1244845 5076948 1-73				35,41,43	20		14,635	3.61	529						
1445739 FERTILE MEADOWS PRINCE LEADER.		3	12	1-35	16	1.7	14,756	3.54	523	**	26	-44	+.01	0	-1
05-21-63 1332101 4806953 5-73					9		14,989	3.52	527						
1445759 MELIUS DUKE AMBASSADOR.....*		5	12	2-35,46	35	1.8	14,080	3.38	476	17	46	-498	-.09	-30	-40
04-12-63 1314046 4326694 5-73					11		15,256	3.58	546						
1445834 FRUITLANDS MODEL HOUDINI.....*		1	15	1-21	15	2.1	14,592	3.57	521	53	23	-170	.00	-6	-10
04-09-63 1238438 3730002 5-73					28		15,428	3.58	553						
1445841 OUESTOVER REBURKE ROYAL JULER.	34-01	46	2	1-34	75	2.2	13,868	3.87	536	15	80	-457	+.18	+8	-7
03-17-63 1124780 4174159 5-73					20		14,444	3.65	527						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HD	STATES ND- WITH MOST DAUS	...DAUGHTERS AND HERDMATES... DAUS HM/DAU	REC/DAU HERDMATE	MILK	% MILK	FAT	% FAT	IST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1445849 ZIMMERMAN PILOT STAR AROYAL...	93-02	4	28	2-86,93	39	1.7	16,679	3.59	598	9	32	+556	.00	+20	+33
12-06-62 1261857 5073959 5-73					296		14,979	3.57	535							
1445890 CARNATION ROYAL EXECUTIVE.....*		17	5	2-21,23	40	2.5	13,640	3.48	475	10	64	-627	-.05	-29	-43
07-28-63 1305460 3769610 5-73					17		14,653	3.57	523						
1445915 SKOKIE OUKE MEDALIST.....*	35-03	92	4	5-33,35,	169	2.5	15,278	3.57	546	15	89	+570	-.13	+1	+18
06-16-63 1288610 4593634 5-73				73,74,85	35		14,656	3.74	548						
1445928 ZELSON ADMIRAL CEDARS OUKE....*		1	10	1-21	10	2.7	17,905	3.58	641	14	23	+321	+.02	+14	+21
07-11-63 1413851 3994199 5-73					48		16,739	3.50	586						
1445941 WAL-CO-FARM CRISSCROSS LAD....		4	25	2-33,35	31	2.0	11,455	3.77	432	10	30	-392	+.08	-3	-14
09-10-62 1378594 5021110 5-73					24		12,590	3.47	437						
1445953 SKYLINER COMMANDER.....*		2	20	1-32	22	2.1	13,945	3.71	516	**	26	-49	-.01	-3	-4
08-18-61 1244845 4353403 5-73					9		14,104	3.79	534						
1445957 WINTERTHUR IVANHOE KIO SAMSON.*	23-09	12	25	4-23,57,	47	1.8	15,407	3.69	568	3	38	+248	.00	+9	+15
03-29-63 1189870 4602072 5-73				61,63	17		14,801	3.70	547						
1445987 TRI-ELM OUKE.....*		4	27	2-35,41	33	2.3	12,649	3.52	445	8	31	-260	.00	-9	-15
07-26-63 1288610 5054553 5-73					8		13,391	3.54	474						
1446046 RETLAW HI HOPE JESSEL.....*		11	2	3-35,41,	14	1.9	14,552	3.68	536	18	44	-120	+.04	+2	-2
07-20-63 1250992 4533858 5-73				47	12		14,874	3.58	532						
1446080 MAX ROSAFE.....*		4	5	2-32,72	13	2.8	13,511	3.41	461	0	37	-123	+.03	0	-4
04-10-63 1492073 5623787 5-73					20		13,783	3.31	456						
1446093 MONCONY ARISTOCRAT JUBILEE....	35-75	28	2	8-21,32,	37	2.6	15,871	3.63	576	14	70	+276	+.03	+15	+21
06-04-63 1124780 3573017 5-73				34,35,93	73		15,595	3.58	559						
1446096 SAN JOHO TIDY PATRICK.....*		2	14	1-93	16	2.4	17,195	3.64	626	7	27	+105	-.01	+2	+5
09-06-62 1178318 4640734 5-73					48		17,071	3.70	631						
1446115 ALVERE BELLE RINGER.....*		2	9	1-52	11	2.9	13,471	3.62	488	0	26	-302	+.03	-7	-15
09-13-62 1259069 4873526 5-73					35		14,660	3.53	518						
1446118 INKA ELMCROFT JESTER.....*		20	5	5-14,16,	35	1.9	13,245	3.55	470	36	59	-1,125	.00	-40	-67
01-01-63 010247186 011495469 5-73				21,23,86	29		15,253	3.55	542						
1446134 SOO LAND REUVERS BUTTER BOY...*		1	40	1-42	40	2.6	14,397	3.31	477	3	29	+189	-.08	-5	+2
02-19-63 1372018 3377244 5-73					9		13,673	3.62	495						
1446158 INKA SPARTAN PRINCE.....*		3	28	3-23,35,	32	2.5	14,003	3.73	522	0	31	-45	.00	-1	-2
08-26-61 1061907 4187211 5-73				51	10		14,129	3.74	528						
1446182 ELMOKA JOE JOEL.....*	35-05	112	2	7-22,33,	175	1.7	14,242	3.88	552	15	90	-470	+.16	+5	-10
03-16-63 1136334 4176330. 5-73				35,41,42	18		14,810	3.71	550						
1446183 ELMOKA HOMESTEAD HIRAM.....		1	36	1-35	36	1.9	13,768	3.80	523	8	27	+99	.00	+4	+6
03-26-63 1136334 5115057 5-73					46		13,288	3.82	508						
1446241 SOVEREIGN PEEL LODGE PREMIER..*		4	44	1-34	50	2.1	14,902	3.80	566	30	30	-159	+.05	+1	-4
03-15-63 010233528 011157173 5-73					35		15,550	3.65	567						
1446286 FULTON FARMS SOVEREIGN PRINCE.*		9	3	2-52,55	19	2.7	16,632	3.47	577	0	50	+790	-.04	+22	+42
07-10-63 1314270 4515515 5-73					15		15,135	3.53	534						
1446297 SUNNY R GLAMOUR BOY AMOS.....	35-75	38	2	9-21,35,	52	2.3	15,539	3.43	533	14	76	+7	-.14	-20	-16
02-17-63 1282185 5315622 5-73				55,91,93	53		15,656	3.62	566						
1446334 WALHOWOON VERNSIOE PAUL.....*		1	42	1-12	42	2.1	13,627	3.69	503	11	28	+52	+.04	+7	+7
07-20-63 1303347 4268445 5-73					29		13,338	3.55	473						
1446347 SHEN-ROCK LAUXMONT WALLIE.....		5	6	1-52	17	2.7	18,286	3.43	628	31	40	+55	-.03	-3	-1
08-27-62 1190632 3671012 5-73					27		18,557	3.51	651						
1446363 ROYVIN MAGIC HOLIDAY.....*		3	12	2-42,47	17	1.4	15,190	3.52	534	43	27	+31	.00	+1	+2
12-25-62 1360889 4891701 5-73					11		15,152	3.50	530						
1446377 MIDLAND APEX MASTERPIECE.....		5	12	2-91,93	36	1.5	13,141	3.61	474	14	44	-1,100	+.01	-39	-65
05-04-63 1338947 4105809 5-73					22		15,775	3.61	570						
1446393 JOLMAR ROCKET IVANHOE LUCKY...*		3	5	1-50	10	2.9	14,010	3.66	513	10	30	-156	.00	-5	-9
04-01-63 1189870 4856305 9-72					16		14,540	3.68	535						
1446414 AUTOMATION SEGIS.....*		11	32	3-21,22,	67	2.8	16,751	3.67	614	10	45	+249	+.01	+11	+17
08-26-62 1353009 3794539 5-73				23	30		16,399	3.65	598						
1446438 BROADOAK RELIANCE LEADER.....*		6	12	1-41	20	2.3	12,934	3.59	464	11	34	-605	-.02	-25	-39
10-21-62 1302074 4403286 5-73					9		14,757	3.69	544						
1446458 BON-OD-LAR PEARL TEX.....		3	36	1-84	42	2.1	15,614	3.59	560	6	30	-242	-.01	-10	-16
03-30-63 010264804 4307929 5-73					64		16,639	3.62	603						
1446505 OURALYNE ROYAL DESTINY.....		3	24	1-35	45	3.0	13,465	3.95	532	2	43	-475	+.16	+5	-10
11-29-62 1380945 5107433 5-73					10		14,604	3.57	521						
1446510 CHEERYLANES FABULOUS JULIUS...		2	25	1-82	29	2.3	13,019	4.08	531	11	30	-462	+.09	-4	-17
03-08-63 1406894 4206229 5-73					28		14,639	3.77	551						
1446515 HAYSSEN MASTER ALEX.....*		1	13	1-35	13	2.5	13,520	3.96	535	8	24	-218	+.02	-5	-11
07-14-63 1409357 5184391 5-73					21		14,445	3.92	566						
1446516 HAYSSEN MASTER AJAX.....*		10	28	4-21,35,	60	2.4	15,699	3.43	539	8	45	+371	-.08	+2	+13
07-16-63 1409357 4022083 5-73				65,74	16		14,925	3.59	536						
1446519 HAYSSEN ABC PAT-TWIN.....*		5	7	2-35,42	27	2.3	13,524	3.55	480	15	49	-222	-.01	-9	-14
07-01-63 1412432 5027590 5-73					14		13,937	3.57	498						
1446548 DIAMOND J MASTER PILOT.....*		5	33	1-93	83	2.6	14,161	3.95	560	6	50	-380	+.05	-6	-16
03-22-63 1305460 4315610 5-73					33		14,978	3.88	581						
1446552 RICVILLE PONTIAC CREWMAN.....*	35-05	36	2	5-33,35,	51	2.1	13,999	3.54	496	20	75	-527	-.08	-30	-41
01-03-63 1397752 3142294 5-73				41,42,91	20		14,740	3.66	540						
1446609 CLARINOA OEAN AOA PAUL.....	35-21	37	1	5-35,41,	44	2.3	14,390	3.61	519	5	73	+253	-.03	+4	+11
06-19-63 1085978 3912798 5-73				42,43,47	18		14,006	3.66	513						
1446646 MEL-ANN IVANHOE MAX.....*		10	7	1-23	24	2.3	16,605	3.70	614	5	46	+586	-.03	+17	+32
06-22-63 1189870 3545468 5-73					18		15,441	3.78	584						
1446647 SABINA LELIA BURKE JAMES.....*		3	20	2-11,51	29	3.2	12,911	3.69	477	7	35	-55	+.01	-1	-2
06-13-63 1415034 4235301 5-73					39		12,922	3.70	478						
1446678 SEILING WAYNE ROCKET.....*	23-11	133	2	3-21,22,	207	2.3	14,230	3.66	521	10	92	-593	-.06	-29	-42
07-01-62 010252803 010854932 5-73				23	20		14,930	3.74	558						
1446706 HILL HEIGHTS BARON LAD.....*	51-02	163	3	6-23,31,	268	2.4	14,467	3.79	548	11	93	+150	+.08	+17	+18
04-05-63 1392774 3622043 9-72				51,52,54	23		14,297	3.71	531						
1446715 HUFFMAN TANGER TRADITION.....*	35-05	29	5	4-33,35,	59	2.0	13,152	3.69	485	25	69	-804	+.03	-25	-45
07-07-63 1305443 3827778 5-73				65,72	16		14,309	3.66	523						

REGISTRATION NUMBER / NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS	REC/DAU HM/DAU	HEROMATE	MILK	%	FAT	%	1ST LST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1446716 HUFFMAN PRIDE TRADITION.....*		1	24	1-35	24	2.8		13,180	3.60	475	4	28		-224	-.01	-9	-14
C7-30-63 1305443 3665092 5-73					48			13,931	3.67	511							
1446733 PABST ADMIRATION ROMADOR.....*		7	28	2-35,41	39	2.3		14,039	3.83	538	25	34		-394	+.04	-8	-18
C8-21-63 1358647 4230310 1-73					13			15,294	3.73	571							
1446742 SUPREME REFLECTION MINTER.....*	34-01	116	2	5-31,32,	174	2.1		13,275	3.88	515	23	91		-1,160	+.27	-6	-40
C5-08-62 010254804 011176184 5-73				34,47,54	18			14,576	3.59	523							
1446744 AEBI THAL MAPLE.....*		1	15	1-35	15	1.0		11,333	3.61	409	**	20		-347	.00	-13	-21
C9-25-62 1386406 5136277 5-73					18			12,958	3.65	473							
1446791 EARLEDALE SKYLARK MONA.....*		4	3	1-91	10	3.1		16,780	3.40	570	0	36		+520	-.06	+10	+24
C4-11-63 1239242 4074985 5-73					25			15,444	3.52	544							
1446802 D-D-S DAIRY LOTTIE 8 B.....*		2	9	1-51	11	2.0		14,818	3.64	539	0	24		+16	+.02	+3	+3
C3-13-63 1122127 4097328 5-73					17			14,792	3.57	528							
1446825 COFFEYDALE GOVERNOR VEEMAN....		1	19	1-34	19	2.7		15,979	3.62	578	0	27		+379	+.01	+15	+24
C3-28-63 1234023 3798212 1-73					4			14,577	3.59	523							
1446865 CACHE-LA POUDRE MAYERS WALTER.*		5	5	1-84	15	2.1		18,385	3.38	622	8	37		+644	-.05	+16	+33
C3-05-63 1293580 5272971 5-73					19			16,896	3.46	584							
1446899 VINEDALE SHAMROCK MAGIC.....*		1	14	1-86	14	1.9		14,209	3.10	440	36	23		-239	-.04	-14	-19
C5-04-63 0102560599 5750666 5-73					135			15,361	3.30	507							
1446954 PALM SKY PABST CHIEFTAIN.....*		1	23	1-34	23	2.4		13,182	3.60	475	11	27		-263	.00	-10	-16
12-07-61 1253032 4029713 5-73					9			14,146	3.64	515							
1446966 WALETZKOS SIGNET GINGER.....		1	22	1-41	22	2.6		13,006	4.12	536	0	27		-287	+.08	+1	-8
C4-10-63 1258673 5248168 5-73					17			14,037	3.80	534							
1446968 BEASLEYS JUNN SKYLINER.....		2	28	1-63	38	2.3		13,209	3.44	454	13	34		-111	-.01	-5	-7
C8-25-63 1244845 5280891 5-73					16			13,447	3.47	466							
1446982 LOCUST GLEN SIR OELLA O.....		5	20	1-52	41	1.7		14,691	3.70	543	34	40		-463	+.06	-8	-21
C8-23-63 1151349 3623134 5-73					13			16,026	3.56	571							
1446986 LIL-CHAR GOLDEN PICA BERNIE...*		1	33	1-32	33	3.0		15,548	3.87	601	7	30		+55	+.01	+3	+4
C2-23-63 1121706 4592176 5-73					12			15,470	3.87	599							
1447011 OAKMULGEE WIPLEDALE RULER-TWIN		1	14	1-52	14	1.7		14,142	3.71	525	8	22		-211	+.03	-3	-9
C9-02-63 1253152 2861229 5-73					14			15,164	3.60	546							
1447028 WILLRUTH ZELOENRUST MONOGRAM..*		2	15	2-23,54	20	1.5		14,754	3.74	552	24	27		-329	-.01	-13	-21
C2-04-63 1204515 4718679 5-73					37			16,138	3.80	614							
1447044 KANAWAKA HILLTOP LUCKY VAN....*		9	3	4-43,48,	13	2.5		16,962	3.45	586	0	42		+1,062	-.03	+34	+60
03-21-63 1410117 4997212 5-73				73,84	18			14,417	3.48	502							
1447125 PENCOR G IVANHOE PABST.....*	23-13	43	2	3-21,22,	69	2.3		15,382	3.56	548	13	79		+291	-.06	+2	+10
C8-28-63 975138 4907804 5-73				23	21			15,081	3.64	549							
1447141 KINGSTEAD IVANHOE.....*	23-13	874	5	28-31,34,	2,108	1.2		16,007	3.74	599	10	99		+563	+.12	+38	+48
12-13-52 1189870 3864746 5-73				51,52,54	28			15,552	3.63	565							
1447153 RIADA HI LITE.....*		2	13	1-42	23	3.3		13,195	3.82	504	9	39		-154	+.01	-4	-8
C7-31-63 1250992 4856325 5-73					13			13,510	3.82	516							
1447170 SCOTSMAN JEMSBY POSCH.....		4	25	2-45,46	51	2.3		14,187	3.64	516	4	42		+32	-.01	0	+1
09-08-62 1353728 4911184 5-73					26			14,079	3.66	515							
1447187 GREEN HILL FARMS ROYAL SOV....*		2	9	1-34	11	2.3		14,049	3.87	543	**	25		-102	+.07	+6	+2
03-10-63 1390945 4410597 5-73					18			14,474	3.57	517							
1447246 JUNELL COMET IVANHOE CHARLIE..*	35-05	184	5	12-23,33,	302	1.2		15,389	3.83	590	11	91		-128	+.11	+11	+5
C8-12-62 1189870 4654324 5-73				35,41,42	17			15,658	3.73	584							
1447262 PENMAR IVANHOE PIETY CHAMPION.*		2	31	1-23	33	2.5		16,796	3.88	651	16	29		+206	-.01	+6	+11
C5-17-62 1189870 3545479 5-73					19			16,272	3.95	642							
1447343 BAR-LEE ADMIRAL SYMBOL.....*		2	15	1-73	25	2.6		14,981	3.48	521	10	36		+419	-.07	+5	+17
C3-29-63 1237057 4392161 5-73					22			13,742	3.68	506							
1447395 ASHAWAJG ADMIRAL OF HILLSIDE..*	33-03	780	4	38-21,23,	1,412	1.3		14,562	3.65	532	14	98		-557	+.02	-17	-31
C8-03-63 1237057 4656253 5-73				31,33,35	29			15,212	3.64	554							
1447409 KIRTLAND DESIGN LEADER.....*		1	15	1-31	15	3.7		13,565	3.89	528	0	27		+6	+.03	+5	+4
10-03-62 1335324 4545636 5-73					14			13,448	3.78	509							
1447414 WESTSIDE A B SEAMAN.....	35-75	575	4	38-35,41,	1,256	1.1		17,127	3.52	603	11	98		+1,465	-.07	+42	+79
C6-06-63 1285978 4315315 5-73				48,55,93	40			15,765	3.58	565							
1447437 FARMSTEAD MARS CONSTELLATION..*		2	17	1-34	21	2.3		13,877	3.61	501	8	31		-160	+.01	-5	-9
09-08-63 1367170 3144734 5-73					26			14,400	3.62	521							
1447460 KOLS-KNOLL WORTHY MAN.....*		1	11	1-21	11	3.4		16,629	3.57	593	0	25		+283	+.01	+12	+18
C8-10-63 1402819 5341616 5-73					37			15,603	3.51	547							
1447502 VERADELDA OSBORNDALE HOE.....*		5	17	1-35	26	2.9		15,488	3.80	588	4	35		+107	-.05	-3	+1
10-24-52 1189870 5369855 5-73					12			15,267	4.00	610							
1447527 CRESTDELL IVANHOE PRINCE.....		2	36	2-23,52	38	1.8		15,242	4.08	622	16	27		-190	+.10	+8	+1
C8-20-63 1189870 433-429 5-73					17			16,115	3.72	600							
1447554 SUNNYDALE GALLANT HI-HOPE.....*		5	10	1-31	17	2.6		15,462	3.67	567	23	33		-299	-.02	-13	-20
09-29-62 1393066 5235333 5-73					17			16,602	3.73	620							
1447586 MAVIEW SPRING AQUA FERN PILOT.*		3	13	1-23	18	2.8		15,226	3.67	559	7	32		+296	-.01	+9	+16
07-17-63 1303347 4397636 5-73					28			14,285	3.73	533							
1447622 WIL-RJ VICTORY.....*		2	24	2-31,34	26	2.9		13,478	3.64	491	22	30		-144	-.03	-9	-12
11-06-62 1397752 4935048 5-73					17			13,923	3.76	524							
1447626 HOWCOW ARISTOCRAT GENERAL.....*		6	5	2-13,21	17	2.2		14,723	3.80	559	20	41		+31	+.07	+11	+10
C4-10-63 1258673 4301339 5-73					23			14,675	3.63	533							
1447666 SKYWAY COMBINE JEWEL.....	91-11	78	3	6-32,35,	142	2.2		13,235	3.68	487	23	88		-810	+.06	-21	-42
C4-12-63 1358263 3941987 5-73				41,42,73	16			14,135	3.62	511							
1447703 B-JEO FOBES SKYDEAN.....		5	8	1-48	23	2.0		14,592	3.50	511	15	43		+95	-.03	-1	+2
C2-04-62 1244945 4933766 5-73					14			14,366	3.58	515							
1447728 SEILING SHAMROCK.....*		4	7	2-31,56	16	2.4		14,501	3.31	480	0	35		-190	-.13	-26	-27
10-13-61 0102528C3 011251295 5-73					23			15,122	3.72	562							
1447750 WALHOWDON PRESIDENT VERNON....*	23-13	135	10	11-12,13,	324	2.0		16,192	3.66	593	8	90		+647	-.02	+20	+36
C4-05-63 1071565 4767484 5-73				21,22,23	23			15,593	3.70	577							
1447751 WALHOWDON CARL DIVIDEND.....*		8	6	2-13,16	26	2.7		15,733	3.63	571	0	52		+316	-.06	+3	+12
C4-11-63 1356726 4378642 5-73					31			15,202	3.76	571							
1447895 SETLAW IDEAL NIFTY.....*		8	18	2-41,42	32	2.5		13,820	3.55	490	7	38		+143	-.04	-1	+4
11-02-62 1342677 4159735 5-73					20			13,336	3.69	492							

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS HM/DAU	REC/DAU HEROMATE	MILK	%	FAT	% 1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1447899 FAIR MEADOW POSCH LADDIE.....*		8	3	5-11,13,	13	2.1	13,085	3.68	482	**	40	-793	+.06	-20	-40
08-07-63 1350190 4908794 5-73				16,21,23	27		15,144	3.53	535						
1447911 WIS MAGIC BUTTER BOY.....*		17	14	6-21,35,	40	2.6	15,426	3.55	548	3	49	+265	-.05	+2	+10
C7-14-53 1358257 4755129 5-73				41,42,45	29		14,935	3.66	547						
1447915 WIS ADVENTURER.....*		3	13	1-43	17	2.5	10,924	3.62	395	7	29	-59	-.01	-4	-5
C8-23-63 1409475 4185273 5-73					46		10,769	3.71	400						
1447924 BAIROLEA CHAMBRIC LOU.....*		4	13	1-21	20	2.6	15,827	3.65	578	6	33	+163	-.03	+1	+6
C5-09-63 1276654 4613430 5-73					30		15,432	3.76	581						
1447925 BAIROLEA FOND HOPE PAUL.....*		8	6	1-21	22	2.8	14,024	3.74	524	0	47	-660	+.09	-12	-30
C6-04-63 1243697 4042470 5-73					35		15,548	3.58	556						
1447935 RIVER ROAD DIRECT ORMSBY.....*		2	22	1-23	24	2.8	14,760	3.73	550	0	30	+250	+.01	+11	+17
05-27-63 1271019 4526666 5-73					30		13,864	3.70	513						
1447946 DEE ANN LUCKY Q ECHO.....*		1	37	1-86	37	1.8	14,623	3.64	532	11	27	-362	+.01	-12	-21
03-27-63 1230610 4679660 5-73					73		16,164	3.63	586						
1447983 TIDY BURKE MIZZOU.....*		5	11	1-43	25	2.1	14,932	3.28	490	**	40	+145	-.13	-13	-6
C5-14-63 1419755 5526739 5-73					18		14,586	3.61	527						
1448021 KILDARE SKY URIAH.....*		6	3	1-93	11	2.2	14,378	3.66	526	**	36	-444	+.03	-12	-23
12-07-61 1244845 4588174 5-73					30		15,760	3.60	567						
1448037 LIME HOLLOW FOND GOVERNOR.....*		7	7	2-21,86	21	2.2	14,482	3.78	548	13	43	-374	+.10	+1	-11
01-28-63 1243697 4856736 1-73					33		15,471	3.55	549						
1448053 MAVIEW VENUS MARK.....*		7	2	3-21,22,	10	2.2	16,632	3.75	623	11	37	+608	+.04	+28	+41
09-12-53 1399628 5272111 1-73				23	55		15,059	3.66	551						
1448126 ROSNI LETITIA RAMBLER.....*	23-13	78	2	3-22,23,	115	2.2	15,534	3.60	560	13	86	+433	-.06	+6	+18
07-18-63 975138 3926675 5-73				35	20		15,104	3.69	557						
1448152 ESPLIN PRINCE PRIDE.....*		6	3	2-82,91	10	1.6	13,771	3.20	440	0	31	-191	-.09	-20	-22
09-23-63 1237057 4892799 9-72					19		14,384	3.51	505						
1448175 HOLTZSCHWAMM GENERAL VAR.....*		2	20	1-23	22	2.0	15,152	3.40	515	5	27	+158	-.03	+2	+6
11-10-62 1215402 3792141 5-73					42		14,589	3.47	506						
1448176 MAYERS DUKE EMPEROR.....*		6	39	2-33,35	48	3.0	14,989	3.76	563	7	35	+148	+.03	+10	+13
05-14-62 1293580 3638102 5-73					22		14,578	3.68	536						
1448184 TARA HILLS A B C REFLECTION...*		7	36	4-22,23,	54	1.9	14,710	3.56	524	10	35	+79	-.05	-4	-1
06-07-63 010260599 5642525 5-73				51,63	109		14,498	3.72	540						
1448241 LOS ROBLES TIDY JO PAT.....		1	50	1-93	50	1.9	15,903	3.48	554	0	28	-18	-.03	-5	-5
08-20-63 1302014 4540719 5-73					41		16,145	3.59	580						
1448275 WAGSON RAG APPLE MATADOR.....*		1	10	1-23	10	2.2	12,511	3.85	482	0	22	-380	+.02	-11	-21
05-11-63 1250992 3187261 5-73					25		14,260	3.79	541						
1448282 ILLIVALE ROYAL BOND.....*		3	81	2-21,92	87	2.4	14,553	3.63	528	7	32	+129	.00	+5	+8
07-22-63 1397752 5043802 5-73					86		14,128	3.63	513						
1448297 HAYSSEN RAG APPLE MAPLE.....*	35-21	146	2	11-16,32,	222	2.2	16,028	3.53	565	10	92	+843	-.10	+15	+38
09-14-63 010218036 4206013 5-73				34,35,41	20		15,195	3.63	552						
1448317 FANTASY RAG APPLE BEST.....		1	46	1-93	46	2.4	13,343	3.68	491	**	29	+161	+.01	+7	+11
10-23-62 1311794 4381433 5-73					51		12,611	3.66	461						
1448341 CULVER LEADER LAD MASTER.....*		2	19	1-32	26	2.7	13,983	3.60	504	4	33	-276	+.01	-8	-15
C6-10-63 1239480 3757131 5-73					7		14,850	3.58	532						
1448358 LILAC HILL HI BOY.....*		3	15	1-33	24	2.4	11,739	3.80	446	0	36	-298	+.04	-5	-13
C8-12-63 1250992 4354872 5-73					29		12,376	3.69	457						
1448363 ELMER BROOK FOND HOPE.....*		4	7	2-35,65	13	2.2	14,245	3.63	517	18	32	+23	-.02	-2	-1
05-04-63 1243697 4452563 5-73					15		14,149	3.73	528						
1448366 POLYTECHNIC KNIGHT BEAU.....		1	61	1-93	61	1.5	15,219	3.57	543	0	27	+172	.00	+6	+10
08-05-63 1242221 5373425 5-73					44		14,588	3.56	520						
1448396 WILLOW DRAW PEANUT DIRECTOR...		1	28	1-48	28	2.6	14,339	3.74	536	4	28	-39	+.04	+5	+3
04-06-53 1271122 4103539 5-73					20		14,491	3.57	517						
1448475 MAYIOR ROYAL DESIGN.....*	93-19	2	22	1-42	42	2.4	18,193	3.59	653	5	40	+1,737	-.03	+57	+99
C6-07-63 1305460 3545001 5-73					20		13,837	3.70	512						
1448478 ARTEVEL FOBES SEGIS.....		3	28	1-93	38	2.2	15,085	3.87	584	44	33	-787	+.11	-14	-35
12-04-62 1221776 3366664 5-73					125		17,832	3.59	641						
1448497 MACBRO BURKGOV REGAL CURT.....*		1	16	1-23	16	3.2	16,213	3.48	565	6	27	-8	-.05	-8	-7
08-05-63 1415405 4204715 5-73					13		16,453	3.69	607						
1448505 MONTOSO SKOKIE RUTHIE.....	35-75	31	1	8-21,32,	35	2.5	15,134	3.73	565	10	70	-225	+.09	+4	-4
09-16-63 1282185 5009119 5-73				35,41,93	64		15,576	3.62	564						
1448519 WALNUT PEAK P A DUFFY.....*		2	20	2-23,32	22	2.8	14,469	3.73	539	0	29	-63	-.01	-3	-4
C7-01-53 1237057 4893570 5-73					6		14,723	3.78	556						
1448553 CHAMBRIC VICEROY-TWIN.....*	61-02	55	3	4-31,32,	79	2.4	14,855	3.59	534	13	80	+392	-.04	+8	+18
06-28-63 1215995 5458808 5-73				33,74	26		14,365	3.65	525						
1448565 TRIUNA GOLD MINER.....*		3	8	2-42,74	11	3.1	16,872	3.43	578	25	28	+378	-.04	+8	+18
05-16-63 1283917 5055742 5-73					18		15,668	3.52	552						
1448610 B-J IRVINGTON ADMIRAL ROYALTY.*		3	15	2-21,23	19	2.7	13,657	3.65	499	11	30	-371	+.03	-9	-19
07-08-63 1237057 4087876 5-73					20		14,970	3.58	536						
1448638 SEQUOIA OJSTY REFLECTION.....*		8	10	2-91,93	27	2.4	15,957	3.37	537	33	43	-313	-.10	-26	-31
04-19-63 1382958 3952257 5-73					47		16,945	3.60	610						
1448659 ELLENVALE G W CHAMPION.....		1	14	1-41	14	3.4	16,448	3.78	621	7	27	+73	+.02	+5	+6
C8-28-63 1354914 4571993 5-73					10		16,372	3.74	612						
1448664 ELLENVALE GOLDEN MISTER.....	41-01	110	2	6-34,41,	145	2.1	15,228	3.57	544	17	89	+450	-.02	+13	+24
09-03-63 1199324 3243903 5-73				45,46,87	18		14,758	3.59	530						
1448844 FRENA IVAN SAM.....*		7	9	3-51,52,	34	1.9	15,632	3.40	531	10	50	+245	-.13	-10	-1
09-19-53 1189870 3520710 5-73				55	37		15,228	3.66	557						
1448850 SENATOR SAM LULLABY.....		2	8	1-55	10	2.4	15,216	3.59	547	0	25	+68	-.02	0	+2
05-08-63 1376402 4650266 1-73					22		14,997	3.71	556						
1448976 PRIDE CENTURION CHARMER.....*		2	13	1-31	17	2.3	13,303	3.57	475	14	29	-478	-.02	-23	-31
10-22-63 1413165 4988348 5-73					6		15,051	3.66	551						
1448991 RINCON MAGIC ADMIRAL.....		2	14	1-93	16	1.3	14,782	3.39	501	**	23	-461	+.02	-14	-25
C7-03-63 1210078 4995149 5-73					23		17,048	3.34	569						
1448993 RINCON MAGIC DANIEL.....*		2	18	1-93	20	1.9	18,984	3.37	640	5	26	-52	-.03	-6	-6
C7-10-63 1297472 4757888 5-73					22		19,722	3.46	683						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS HM/DAU	REC/DAU HEROMATE	MILK	%	FAT	% FAT INC	% REPT	PREDICTED DIFFERENCES MILK	%	FAT	$$
1449007 CASS RIDGE ROCKET SUPREME.....*		14	1	5-14,21,	15	2.2	14,948	3.76	562	9	49	+355	+.04	+18	+26
07-07-63 010264804 5349411 5-73				22,23,31	24		14,207	3.71	527						
1449097 FAWSKI TY VIC SHIEK.....	87-01	33	1	5-41,48,	36	2.4	14,696	3.55	521	4	70	+31	.00	+1	+2
11-30-62 1235822 4713271 5-73				82,87,92	19		14,680	3.54	520						
1449098 FAWSKI TY VIC PERFECTION.....	31-07	8	2	3-41,82,	11	2.6	13,910	3.76	523	0	41	-52	+.05	+6	+3
09-02-63 1235822 4966748 1-73				87	21		14,000	3.63	508						
1449134 FAIRHOPE BENEFACTOR OLYMPIC...*		1	27	1-43	27	2.1	10,124	3.74	379	10	26	-271	.00	-10	-16
05-27-63 1199324 4251098 5-73					15		10,809	3.78	409						
1449138 SISK REGAL CREAMELLE.....*		2	25	1-35	29	3.0	16,109	3.71	598	0	32	+351	.00	+12	+20
09-18-63 1314767 3992323 5-73					9		15,060	3.74	563						
1449151 SLEEPY HOLLOW ROYAL HONOR.....*	93-19	5	9	1-93	17	2.4	19,377	3.68	714	0	35	+531	-.05	+11	+25
07-21-63 1252231 4273224 5-73					94		18,249	3.85	702						
1449182 ELMER AIRVUE RAG APPLE-TWIN...*		4	24	2-82,87	47	2.9	12,299	3.35	412	7	43	-226	-.03	-13	-18
01-15-62 010260599 010758681 5-73					20		12,659	3.45	437						
1449186 RIDGELY REMEMBRANCE.....*		1	19	1-14	19	2.2	12,957	3.44	446	21	25	-113	-.03	-9	-11
07-26-63 1253588 3330810 5-73					6		13,299	3.64	484						
1449192 ROLLINGWOOD PROJO PRINCE.....		2	39	1-52	48	1.5	14,943	3.51	525	10	29	+302	-.04	+5	+13
11-17-61 1119514 4676675 5-73					9		13,844	3.66	506						
1449193 H S F ADMIRAL PRIDE DUKE.....*		8	2	2-22,23	11	3.3	13,974	3.69	515	10	41	-596	.00	-21	-35
10-30-63 1237057 4501535 5-73					23		15,542	3.69	574						
1449214 LEDAL HEADMASTER HOMER.....		2	20	1-11	22	2.9	12,271	3.56	437	6	29	-268	+.01	-8	-15
05-17-63 1349029 4311441 5-73					18		13,081	3.54	463						
1449231 HORSE PEN HILL PRINCE.....	21-10	42	1	4-11,13,	47	2.3	14,293	3.53	504	11	75	-732	-.05	-33	-49
05-01-63 1263152 3869354 5-73				21,23	26		15,372	3.60	553						
1449238 HUELSON ORMSBY SARA PONTIAC...*		6	2	3-57,61,	11	2.1	13,712	3.52	482	**	38	-100	-.02	-7	-9
10-05-63 1311154 3343106 5-73				63	17		13,933	3.60	501						
1449273 LANTERN LANE ROCKY.....*	21-10	33	1	2-21,23	34	2.5	14,276	3.77	538	19	69	-511	+.14	+1	-15
03-25-63 1239886 4628327 5-73					28		15,086	3.57	539						
1449306 LONGSWAMP KAYWAY.....		4	12	1-32	32	2.7	15,730	3.49	549	8	46	+524	-.10	+4	+19
11-07-62 1389766 5113434 5-73					6		14,625	3.71	543						
1449310 SILVER SHADE TIDY M BENEFACTOR*		9	27	1-11	43	3.0	16,322	3.42	558	3	39	+189	-.07	-4	+2
09-18-63 1199324 5191366 5-73					39		15,997	3.60	576						
1449311 SILVER SHADE ROYAL SKY CHIEF.*		20	5	2-11,12	42	2.7	15,069	3.74	563	6	64	-131	+.02	-2	-6
05-15-63 1244845 4124224 5-73					18		15,373	3.73	573						
1449357 ABELOALE GOLDEN ACE.....		10	7	2-47,48	41	2.7	14,930	4.02	600	3	60	0	+.20	+29	+24
06-04-63 1371268 3140008 5-73					16		14,989	3.70	555						
1449411 TEXAL SUPREME ARTIST.....	34-01	90	3	4-32,33,	176	2.0	13,847	3.70	512	22	89	-599	+.07	-12	-28
02-01-63 010264804 011176183 5-73				34,61	23		14,534	3.63	527						
1449451 CHAMBRIC ADMIRAL MARTY.....*		8	32	4-32,35,	66	2.2	15,151	3.68	557	30	43	-172	-.02	-9	-13
10-18-63 1380108 3999526 5-73				42,73	21		15,080	3.74	586						
1449459 HOMESTEAD FARM REFLECTION TIDE*		7	18	2-11,13	36	2.6	15,776	3.51	554	10	41	-38	.00	-2	-3
09-05-63 1397466 5013449 5-73					34		16,036	3.54	567						
1449473 PHELIDA UNH STAR.....*		1	18	1-42	18	1.8	12,625	3.33	421	8	24	-94	-.03	-7	-9
07-10-63 1258689 3680951 5-73					13		12,872	3.48	448						
1449500 SEQUOIA STAR SUPREME.....	31-02	39	2	6-31,43,	61	2.7	13,791	3.68	507	13	78	-16	+.04	+5	+4
05-10-63 1274323 4243324 5-73				56,58,71	21		13,749	3.62	498						
1449532 HOMERVILLE POND SATELLITE.....		1	22	1-31	22	3.0	14,973	4.15	622	0	28	+100	+.13	+22	+21
04-10-63 1243697 4557004 5-73					4		14,648	3.73	547						
1449534 WINTERTHUR IVANHOE KNIGHT SAUL*		3	22	1-34	26	2.2	16,625	3.65	607	23	29	+25	.00	+1	+2
05-30-63 1189870 4939403 5-73					14		16,779	3.65	613						
1449537 GRAY VIEW SHADE MT CRISS.....*		2	19	2-23,63	32	1.9	14,865	3.73	554	21	35	-40	+.03	+3	+1
05-09-63 1378594 5342922 5-73					19		15,046	3.65	549						
1449547 SINKING-SPRINGS IVAN RAMDN....*		3	7	1-23	16	2.1	18,375	3.80	698	14	35	+78	+.03	+7	+8
02-09-63 1189870 4311480 5-73					17		18,569	3.74	695						
1449562 N P ENSIGN PRINCE.....		4	11	1-47	33	2.1	13,135	3.78	496	10	45	-257	+.02	-6	-13
11-06-62 1200082 4938823 5-73					47		13,629	3.74	510						
1449568 BIG ROCK MASTER CHAMP.....*		6	35	2-21,22	46	2.4	14,461	3.39	490	14	34	-494	+.03	-14	-26
03-24-63 1305460 3250348 5-73					19		16,087	3.34	537						
1449577 ROMANDALE MAPLE MAGIC.....*		2	14	1-33	16	2.1	16,921	3.74	633	31	26	+265	+.01	+11	+17
10-10-60 010218036 010814375 5-73					26		16,055	3.74	600						
1449587 KRULL CRISSCROSS CREATOR.....*		7	18	1-35	46	2.6	15,315	3.72	569	8	47	+123	.00	+4	+7
09-10-62 1378594 3965887 5-73					13		15,130	3.74	566						
1449654 CITATION REFLECTION VANGUARD..*		10	16	1-43	75	2.1	12,470	3.77	470	2	60	-469	-.02	-20	-31
02-26-63 1492373 011143707 5-73					25		13,129	3.83	503						
1449741 CROCKER BURKE PRIDE.....*		2	13	1-31	16	1.5	14,308	3.67	525	**	26	-219	-.01	-9	-14
07-12-63 1291627 3667502 5-73					62		15,250	3.72	568						
1449742 LILRJE HARDY FARMS HOPE.....*		6	16	1-87	38	2.5	14,821	3.42	506	6	45	+177	-.02	+3	+8
06-10-63 1250992 4114301 5-73					20		14,412	3.45	497						
1449753 KIDD FARMS LEADER NEPTUNE.....*		1	14	1-93	14	2.6	13,291	3.41	453	0	25	-276	-.01	-11	-17
07-03-63 1326187 4985345 5-73					81		14,386	3.46	498						
1449776 GLEN BURN CHARIOTEER REX.....		3	39	2-12,13	50	2.1	16,650	3.68	612	4	33	+170	-.01	+5	+9
10-21-63 1254887 4583421 5-73					31		16,320	3.70	604						
1449791 FARMSTEAD MARS BIG BOY.....		1	18	1-34	18	1.7	11,379	3.81	452	40	24	-427	+.02	-12	-23
09-10-63 1367170 5340996 5-73					4		13,605	3.70	504						
1449797 HAMPSTEAD ECHO ROBJRKE LARRY..*		6	23	3-52,54,	32	1.8	15,765	3.93	619	20	32	+82	+.09	+16	+16
12-09-62 1184848 3912295 5-73				55	42		15,628	3.68	575						
1449841 SANDY HIGHCROFT TEXAL-TWIN....*	91-11	14	5	2-41,47	35	2.1	14,653	3.34	489	20	59	-91	-.12	-20	-19
10-01-63 1313355 4405506 5-73					16		14,856	3.54	526						
1449842 HAMM HILL IDEAL TEXAL BRONC...		1	21	1-42	21	2.2	14,416	3.29	474	13	26	+39	-.04	-4	-2
08-25-63 1295307 5302623 5-73					9		14,249	3.45	491						
1449872 GREENDO-WIS PERSEUS MAX.....*		4	5	3-35,42,	13	2.1	12,698	3.46	439	40	34	-667	-.01	-25	-41
05-26-63 010260599 4670596 5-73				74	15		14,669	3.50	514						
1449917 DIAMOND J DUSTY BEECHWOOD.....		1	155	1-93	155	1.8	17,802	3.34	594	9	29	+80	.00	+3	+5
06-27-63 1295185 3897528 5-73					433		17,873	3.31	591						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS REC/DAU HM/DAU	HEROMATE	MILK	%	FAT	% 1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1449954 BOND HAVEN TRIUMPH.....*		2	13	1-21	17	2.1	14,148	3.37	477	**	28	-20	-.06	-9	-8
08-22-62 010260599 010774313 5-73					16		14,202	3.61	512						
1449955 SANDSDALE SOV ROYAL SUPREME...*		10	6	1-23	31	2.3	13,801	3.80	524	21	54	-423	+.01	-14	-24
06-05-63 010233528 3997771 5-73					16		14,612	3.80	555						
1449961 SANDYLAND MAX CAN.....		1	13	1-73	13	2.1	14,414	3.65	526	8	24	-15	+.02	+3	+2
06-26-63 1382768 5132401 1-73					20		14,493	3.53	511						
1450005 EL-KATRINA IVAN PRINCE.....*		1	39	1-93	39	2.5	16,255	3.62	588	5	29	+185	+.02	+10	+14
11-18-62 1189870 5570334 5-73					124		15,752	3.55	559						
1450041 LARIX CAPTAIN JOHN.....*		2	10	1-16	13	2.0	15,403	3.62	557	13	27	-218	+.05	-1	-7
07-03-63 1144239 4548561 5-73					52		16,422	3.46	569						
1450086 HOMES BURKE PROGRESS.....*		3	11	1-32	15	1.7	13,239	3.66	484	7	26	-172	+.05	+1	-4
10-13-63 1390268 5151418 5-73					4		13,840	3.44	476						
1450124 TYPLUS ADMIRAL PRIDE.....*		9	3	2-42,74	17	2.5	14,904	3.53	526	13	46	+405	-.04	+9	+20
11-04-63 1237057 5016824 5-73					13		14,030	3.60	505						
1450133 MAC SWAN JUPITER CHAMPION.....*		10	17	5-11,21,	38	2.5	15,538	3.40	529	4	44	+243	-.06	0	+7
11-13-61 1144239 5395290 5-73				23,51,55	20		15,044	3.53	531						
1450202 PENN-GATE FOND ACE.....*		3	11	2-23,73	15	2.4	14,628	3.18	471	8	29	-5	-.08	-12	-10
07-15-63 1267389 4643806 5-73					25		14,901	3.46	515						
1450226 THONYMA PACLAMAR JOBINA.....*	31-02	35	2	4-31,43,	51	2.0	13,568	3.66	496	29	74	-783	+.02	-25	-44
07-20-63 1274923 4650618 5-73				56,64	18		14,659	3.64	533						
1450228 PACLAMAR BOOTMAKER.....*	35-75	199	5	32-23,35,	343	1.6	17,036	3.55	604	8	93	+1,383	-.07	+39	+74
09-22-63 1396885 3818879 5-73				41,48,84	30		15,676	3.62	567						
1450292 LOCKWAY RAG APPLE IVANHOE.....*		16	15	7-12,23,	49	2.2	13,561	4.11	557	11	52	-636	+.20	+5	-15
02-26-63 1189870 4225111 5-73				31,51,54	81		14,843	3.71	551						
1450326 LOCHLAWN FIELDMASTER.....*		10	10	3-23,35,	33	3.2	15,555	3.66	569	5	51	+575	.00	+20	+34
12-01-62 1243697 4649706 5-73				41	17		14,426	3.67	530						
1450329 THOMPSON OAKS IVANHOE.....*		8	1	4-51,52,	10	2.0	14,842	3.75	557	10	37	+273	+.05	+17	+22
11-14-63 1392774 5108496 9-72				54,61	20		14,073	3.62	509						
1450349 ROCK RIVER ROYAL REX.....	93-19	65	2	18-33,35,	88	1.8	14,660	3.57	523	14	83	+235	-.04	+2	+9
08-23-63 1397752 5251828 5-73				42,73,74	20		14,374	3.62	521						
1450355 OATS FARM WERN BENEFACTOR.....		1	25	1-35	25	1.7	11,144	3.55	396	0	25	-168	+.01	-5	-9
07-25-63 1405634 5373576 5-73					34		11,533	3.53	407						
1450414 ALLENOR KING KONG.....*		7	3	2-23,35	15	2.1	13,206	3.59	474	9	41	-570	-.02	-23	-36
10-11-63 1240579 5486937 5-73					16		14,606	3.65	533						
1450422 CURTISDALE ORMSBY GOLDEN CARL.*		1	15	1-35	15	2.7	14,130	3.69	522	11	20	+111	+.02	+7	+9
06-01-63 1383087 5010415 5-73					19		13,624	3.63	494						
1450429 HY-DON IMPERIAL SUPREME VIC...		6	9	2-48,73	32	2.0	17,421	3.47	604	13	47	+577	-.07	+11	+27
03-06-63 1230640 3657370 5-73					21		16,399	3.59	588						
1450439 SUPER VIEW R S P EAGLE.....*		3	28	2-82,87	37	2.1	13,651	3.41	473	19	32	+264	-.02	+7	+14
03-12-62 010260599 4388963 5-73					16		12,880	3.45	444						
1450461 PARKER VIEW NETHERLAND BARON..*		2	7	1-13	11	2.4	16,013	3.39	543	14	29	0	-.01	-2	-2
11-13-61 1278570 4657530 5-73					14		16,193	3.45	559						
1450485 LANE RIDGE CHOICE.....*		2	20	1-41	22	2.1	11,600	3.89	451	0	28	-703	+.05	-18	-36
09-30-63 1314816 5481730 5-73					18		14,133	3.68	520						
1450506 KYLAND AMY LOCHINVAR.....*		4	4	1-74	12	1.5	15,365	3.23	496	**	32	-71	-.02	-5	-6
08-07-63 1293254 4331547 5-73					8		15,724	3.28	515						
1450519 WOODMAR CAPPER.....*		1	12	1-50	12	3.2	16,416	3.50	574	0	25	+278	-.01	+9	+16
09-02-63 1132993 5056220 5-73					40		15,424	3.50	540						
1450564 BURKE PONTIAC LEADER.....*		4	31	1-57	37	2.0	16,096	3.43	552	15	30	+238	-.04	+2	+9
07-30-63 1150470 3940744 5-73					87		15,402	3.57	550						
1450609 EDH TRIUNE RETURN RUE.....		1	10	1-73	10	1.0	13,284	3.53	469	**	18	-72	+.02	0	-2
09-02-63 1401539 4454831 1-73					37		13,620	3.42	466						
1450613 TRIPLE-N DOLL PRINCE PETE.....*		6	11	3-52,55,	32	1.9	14,073	3.51	494	17	45	-52	-.01	-4	-5
10-24-63 1263152 4625663 5-73				64	25		14,170	3.55	503						
1450629 HY-SEEN COLA NEPTUNE.....*		2	14	2-42,61	16	3.0	14,472	3.49	505	15	28	-95	-.03	-7	-9
06-08-62 1241038 3824187 5-73					17		14,862	3.59	534						
1450630 NOEL ELLEN SIR GREGORY.....*		5	7	1-21	20	1.6	12,822	3.89	499	41	39	-453	+.10	-3	-16
08-01-63 1330597 3561144 5-73					33		13,947	3.65	509						
1450631 NOEL MASTER CONCENTRATION.....*		2	10	1-23	13	1.9	13,531	4.01	543	**	27	+140	+.06	+14	+16
11-04-63 1094074 4752315 5-73					15		12,853	3.78	486						
1450667 CAPTAIN REIMERIDGE LIZA.....*	16-04	40	7	6-11,13,	82	2.0	15,848	3.53	559	18	74	-276	-.06	-18	-23
C7-27-63 1144239 5111024 5-73				14,16,48	25		16,427	3.60	592						
1450683 ELMER BROOK ATLAS HOMESTEAD...*		1	23	1-35	23	2.7	12,398	3.73	463	9	28	-196	+.02	-4	-9
08-21-63 1355942 5387913 5-73					10		12,965	3.69	478						
1450692 LIME HOLLOW BURKGOV ROBURKE...	31-07	119	2	14-31,33,	161	1.7	15,593	3.58	559	11	90	+754	-.01	+25	+43
08-12-63 1038509 4247611 5-73				34,61,74	24		14,791	3.60	532						
1450693 HOOGBOOM KING MADCAP SESAME...*		2	19	2-51,61	21	2.8	10,732	3.95	424	5	29	-538	+.01	-18	-31
10-14-63 1373442 4113317 5-73					39		12,406	3.93	487						
1450752 VILVALY VITALITY VISCOUNT.....*		1	17	1-35	17	2.5	16,767	3.72	624	6	25	+248	+.03	+13	+18
09-14-63 1420414 4707482 5-73					19		15,943	3.64	580						
1450763 EL-RA-FARM JEWEL FOUNDATION...*		5	5	2-11,23	14	2.2	12,616	3.79	478	31	35	-786	+.06	-20	-40
07-08-63 1292880 4208074 5-73					44		14,896	3.63	540						
1450765 COLSTAH KING LEA CAP.....*		2	16	1-84	18	2.5	14,643	3.39	497	**	27	+463	-.04	+11	+23
10-07-63 1402593 4634679 5-73					99		12,794	3.53	451						
1450780 MARQUART IVANHOE.....*	35-05	46	3	5-22,33,	72	2.2	15,445	3.66	566	10	79	+574	-.02	+17	+31
C9-12-63 1189870 4818441 5-73				35,52,93	21		14,758	3.71	548						
1450795 PONO FARM SPARKY MONTVIC IMP..*		4	11	2-13,21	25	2.6	13,968	3.64	509	6	42	-151	+.05	+1	-4
12-08-62 1181068 3961684 5-73					18		14,329	3.53	506						
1450836 SUNNYSIDE STANDOUT MOSE-TWIN..	31-07	19	2	1-34	24	2.0	15,509	3.63	563	17	58	+457	+.01	+18	+29
10-06-63 1392559 4103183 5-73					15		14,751	3.62	534						
1450862 ZION MEADOWS DALE.....*		1	12	1-51	12	3.0	16,254	3.40	553	9	25	+312	-.08	0	+9
C8-02-63 1189870 4976494 5-73					31		15,073	3.74	563						
1450893 O-CLAIR-CO ADMIRAL NOCTURNE...*		2	10	1-35	12	2.4	14,745	4.08	602	9	26	-24	+.03	+4	+3
08-20-63 1268772 4904561 5-73					25		14,890	3.98	592						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HO	STATES NO- WITH MOST DAUS	DAUS	REC/DAU HM/DAU	HEROMATES MILK	%	FAT	%	1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1450912 VERNWAY JO STAR CHAMPION.....*		4	13	2-82,91	16	3.3	13,679	3.41	467	0	33	-218	-.02	-11	-16
11-10-62 1274923 4996519 5-73					15		14,332	3.50	502						
1450916 ANEDAW R A SEGIS GINGER.....*		4	7	1-41	17	2.3	16,044	3.82	613	**	37	+174	+.10	+21	+22
C8-17-53 1258673 4305626 5-73					10		15,701	3.57	561						
1450930 SKOGEN VALENTINE BENEFACTOR...*		5	9	2-35,41	16	2.8	16,943	3.37	571	**	34	+750	-.13	+7	+28
12-09-62 1199324 4243611 5-73					15		14,796	3.74	554						
1450935 TRIPLE C DILLIE DEAN.....*		3	11	2-48,55	15	2.9	13,116	3.32	435	15	29	-206	+.01	-6	-11
C8-27-53 1188192 4317196 5-73					72		13,758	3.28	451						
1450941 M A A HARTOG SENSATION.....*		1	15	1-92	15	1.9	12,609	3.80	479	25	23	-634	+.02	-20	-36
10-29-53 1415639 5051412 5-73					26		15,437	3.72	575						
1450985 CHETBAR TREASURE FRANK.....		1	21	1-41	21	2.6	13,620	3.78	515	0	27	-51	+.04	+4	+2
12-17-61 1222048 4485368 1-73					7		13,746	3.64	500						
1450969 SUPREME RAG APPLE HIGHBOY.....*		6	11	3-51,52,	19	1.9	13,497	3.54	478	19	33	-286	+.02	-8	-15
11-23-53 1339226 4375289 5-73				54	27		14,360	3.52	505						
1450990 WIL-O-WHIT GLENVUE MAX.....*		3	29	1-87	41	2.3	14,825	3.42	507	22	35	-266	-.02	-12	-18
11-16-52 1382768 4619535 5-73					21		15,733	3.48	548						
1451003 PRIDE POLO FEMCO SATIN.....*		1	17	1-45	17	1.9	15,160	3.96	601	18	24	-286	+.09	+3	-6
11-18-53 1402764 4232918 5-73					17		16,562	3.59	595						
1451014 ESMOR DOWNS PETROW R I MODEL..*	35-05	10	5	3-35,41,	23	2.9	15,844	3.90	618	0	51	+177	+.13	+25	+26
03-01-53 1357442 4479944 5-73				47	15		15,619	3.68	575						
1451017 NICSYL B R BURKGOV.....*		1	13	1-21	13	2.1	15,159	3.83	580	**	23	-179	+.06	+2	-4
07-12-53 10385C9 5524198 5-73					22		16,112	3.57	576						
1451051 MALLARY PONTIAC LEADER.....		1	28	1-13	28	1.8	12,938	3.54	458	6	25	-128	-.01	-6	-9
11-05-63 010260599 4520067 5-73					4		13,342	3.61	481						
1451052 MALLARY PONTIAC GLORIOUS.....*	23-11	94	3	4-13,21,	155	2.0	13,905	3.89	541	19	69	-1,109	+.19	-15	-46
11-06-63 010260599 5054815 5-73				22,23	28		15,240	3.69	563						
1451071 NO-NA-ME PERSEUS MONTY.....*		8	5	3-48,71,	25	1.8	13,598	3.32	452	**	48	-152	-.03	-10	-13
02-17-53 010260599 3465269 5-73				73	19		13,864	3.39	470						
1451072 OON AUGUR EVERLASTING MEMORY..*		9	5	5-16,21,	17	1.9	14,552	3.40	495	29	39	+69	-.03	-2	0
03-15-53 1339807 5515869 5-73				31,34,35	29		14,372	3.49	501						
1451083 COUNTRY SKY FRIEND BUTTERMILK.*		10	4	2-83,87	21	2.7	15,498	3.57	553	12	50	+85	-.01	+1	+3
10-26-53 1244845 4939721 5-73					23		15,431	3.60	555						
1451134 IDEOGRAPH ADMIRAL ECHO-TWIN...*		8	43	2-87,93	56	2.2	18,344	3.37	619	17	34	+350	-.04	+7	+16
07-16-53 1237057 4630634 5-73					81		17,621	3.44	607						
1451149 THONYMA PACLAMAR AMOS.....*	35-75	11	5	6-35,46,	31	2.2	17,429	3.45	602	6	56	+544	-.06	+11	+26
09-13-53 1338656 4204563 5-73				47,48,84	18		16,679	3.53	589						
1451150 ANDYWAY ROBEL ROBEL.....*		1	15	1-87	15	2.5	15,764	3.50	551	0	26	+162	+.01	+7	+11
05-24-53 1360114 4711965 5-73					6		15,211	3.45	525						
1451234 CARNATION ROYAL TREDSTIS-TWIN.*		1	19	1-73	19	1.2	14,597	3.44	502	40	22	+310	-.02	+8	+16
08-19-53 1305460 4641382 5-73					4		13,018	3.54	461						
1451237 CARNATION TIETON IDEAL-TWIN...*		3	25	1-35	29	2.7	14,253	3.61	515	7	31	-237	+.01	-7	-13
11-25-53 1175596 4714642 5-73					12		15,096	3.61	545						
1451262 DOVER-DALE DUKE.....*		8	1	3-14,16,	10	1.9	14,477	3.41	494	20	37	+197	-.04	+1	+7
11-06-63 1288610 4772280 1-73				21	32		13,895	3.52	489						
1451297 DAVIS FARM COMMANDER.....*		1	10	1-11	10	2.0	15,182	3.84	583	0	21	-25	+.03	+4	+3
11-22-63 1215669 4392824 9-72					18		15,405	3.68	567						
1451321 WESTLANE JRMSBY PABST.....		4	4	1-21	10	3.0	16,539	3.47	573	0	33	+135	-.05	-3	+2
12-15-61 1140763 4949159 1-73					13		16,284	3.63	591						
1451328 LOU-CHRIS CITATION R MAPLE....*		9	2	3-81,82,	12	2.2	14,982	3.57	535	0	42	+8	.00	0	0
05-01-63 1492073 5573210 5-73				87	12		15,025	3.57	537						
1451334 PAGELS ORMSBY IDOET POSCH JUP.*		5	4	1-42	13	2.6	17,902	3.42	612	**	38	+1,101	-.08	+28	+56
04-18-52 1334898 4958679 5-73					14		15,106	3.58	541						
1451345 INSIGNIA OF MAPLEWOOD.....		3	10	1-42	20	1.9	13,593	3.41	464	28	35	-106	-.06	-13	-14
10-14-63 1179372 3914259 5-73					2		13,847	3.62	501						
1451352 MAYRIDGE GLEN SPAN.....	21-10	33	1	1-21	36	2.8	15,611	3.45	538	12	71	+423	-.08	+3	+15
09-17-53 1239886 4544.25 5-73					22		15,088	3.55	535						
1451360 J P TALOGA HI HOPE.....*		3	8	1-63	16	2.3	13,180	3.74	493	0	34	-165	+.04	0	-5
09-09-52 1250992 4607826 5-73					13		13,589	3.61	491						
1451369 TOPS MISTERY CHIEF GENE.....*		2	9	2-13,16	11	2.4	17,171	3.83	657	0	25	+118	+.05	+11	+13
06-18-53 1397517 5076424 5-73					23		16,961	3.68	625						
1451371 SRJ OJN-AFTON PAUL.....		3	23	1-74	28	1.8	13,602	3.32	452	14	29	-408	+.03	-11	-21
07-31-63 1240355 4179998 5-73					97		15,081	3.26	492						
1451379 J NEVADA DOUBLE RAVEN.....*		6	10	3-82,87,	32	2.6	15,967	3.50	559	4	49	+496	-.03	+14	+27
11-27-62 1113350 3870831 5-73				92	15		15,018	3.54	531						
1451381 J NEVADA RAVEN BURKE ATOM.....*		1	12	1-93	12	1.6	15,440	3.61	557	**	21	+206	-.03	+3	+9
02-26-63 1113350 4125016 5-73					39		14,487	3.76	544						
1451384 HULONG ADMIRAL JO.....*		2	15	1-34	17	2.4	16,601	3.46	575	13	27	+359	-.03	+8	+17
08-08-63 1237057 5395738 5-73					15		15,348	3.57	548						
1451389 PUGET SOUND GOLDEN NUGGET.....*		24	6	11-42,46,	65	2.4	16,601	3.49	579	16	72	+742	-.12	+8	+29
07-24-63 1215448 5126726 5-73				47,91,93	38		15,705	3.65	573						
1451418 GRAY VIEW X CONTENO-TWIN.....*	35-03	114	4	14-32,34,	232	2.1	14,546	3.81	554	19	92	-251	+.09	+4	-4
11-04-63 1378594 4847071 5-73				35,41,64	34		14,869	3.72	553						
1451421 GRAY VIEW CHOICE CORPORAL-TWIN*		2	17	1-81	30	2.5	14,180	3.53	501	17	37	-321	.00	-12	-20
11-07-63 1428146 5306953 5-73					28		15,122	3.56	539						
1451481 LOS ROBLES FLOREN PRIDE.....		1	14	1-93	14	1.4	16,106	3.61	581	**	22	+27	-.03	-3	-2
09-23-63 1236850 4858399 5-73					28		16,159	3.75	606						
1451482 LOS ROBLES MONTVIC TIDY PAT...		2	24	1-93	26	1.0	14,843	3.31	491	14	23	+27	-.04	-5	-3
10-26-53 1236850 4175297 1-73					18		14,763	3.52	519						
1451498 MITCHELL FARM ERIC ROBES.....*		1	22	1-16	22	2.6	14,336	3.84	550	6	27	+157	.00	+5	+9
02-10-53 1273756 3134878 5-73					56		13,685	3.89	533						
1451503 HOFFMANS JULIUS IVANHOE-TWIN..*		5	25	1-23	36	1.8	14,920	3.40	508	25	32	+124	-.07	-5	0
03-04-63 1189870 3410658 5-73					18		14,544	3.62	527						
1451531 GOLD TOP GOLDEN BELL NUDINE...*		7	11	3-11,14,	21	2.5	16,563	3.73	618	21	36	+416	+.01	+17	+27
10-17-53 1244185 4443482 5-73				16	30		15,520	3.71	576						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS	REC/DAU	HERDMATE	MILK	%	FAT	% 1ST LACT INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1451565 8UD RANCH A 8 S DE KOL.....	35-75	42	1	16-21,23,	50	2.5		14,791	3.77	558	11	76	-113	+.15	+17	+11
11-15-63 1238509 4174187 5-73				35,41,55	31			15,002	3.59	538						
1451599 SUNNYDALE CONFIDEEN ESQUIRE...*		2	9	1-31	12	2.3		14,195	3.45	490	10	27	+69	-.02	0	+2
10-06-63 1412735 5235331 5-73					31			13,888	3.51	487						
1451625 GLADTIME SUNNY KNIGHT.....	35-75	27	2	12-23,31,	35	2.7		15,049	3.57	538	15	70	-136	-.03	-9	-12
C9-20-63 1239886 3594768 5-73				35,41,93	45			15,340	3.62	556						
1451634 ELLISHILL 80LD VALIANT.....*	21-10	51	1	4-11,13,	53	2.4		14,701	3.45	507	12	78	-84	-.10	-17	-16
11-13-63 1245520 3861300 5-73				16,21	24			14,857	3.58	532						
1451650 KLEVER HURLWOOD HOPE DYNASTY..*	61-02	174	3	6-31,33,	304	1.9		14,572	3.72	542	12	94	-66	+.07	+8	+5
C4-26-63 1243697 4061463 5-73				61,63,65	21			14,671	3.65	535						
1451663 CARLWOOD PIETJE PRIDE ADMIRAL.*		7	7	3-14,16,	16	1.8		11,609	3.57	415	36	35	-585	-.01	-23	-37
01-17-63 1237057 4736797 5-73				23	15			13,182	3.64	480						
1451701 FRENCH FARMS 8LACK MAGIC.....*		2	20	1-43	22	1.2		13,670	3.53	483	25	24	-370	-.01	-15	-24
C7-29-63 1271810 5265269 5-73					17			15,343	3.62	555						
1451732 CEN-SEC STANDARD LEN.....*		9	13	4-33,35,	43	2.4		14,487	3.67	531	15	51	+87	-.02	3	+3
11-13-63 1373055 4806960 5-73				55,85	17			14,309	3.72	532						
1451743 LYNANN JOE 8LACK MAN.....		1	10	1-34	10	2.2		13,517	3.57	483	**	22	+111	.00	+4	+7
09-05-63 1388041 5028068 5-73					22			12,856	3.55	457						
1451762 8UDD FARM OUT CROSS.....*		8	30	3-32,34,	55	1.9		13,401	4.01	537	30	39	-414	+.11	0	-13
C4-25-63 1378594 3938195 5-73				55	34			14,471	3.75	542						
1451779 LILRUE PEGGY STAR JED.....	35-75	25	2	10-21,35,	35	3.0		15,239	3.59	547	10	70	-176	-.01	-8	-12
10-08-63 1223243 4307849 5-73				41,55,93	70			15,615	3.61	564						
1451814 DO-RAN GOVERNOR DAWN.....		2	9	2-35,74	11	2.7		13,310	3.68	490	20	26	-80	-.04	-9	-10
12-04-63 1234023 4417591 5-73					22			13,539	3.91	530						
1451822 HAEGMAN MJOEL KEYES JAY JOY...*		7	4	2-48,73	16	1.9		14,535	3.69	537	27	42	-164	+.06	+2	-3
12-10-63 1287181 5472193 9-72					22			14,990	3.57	535						
1451853 HOPEHAVEN OUKE.....*		4	16	2-51,52	26	2.4		15,275	3.42	522	12	35	+267	-.07	0	+8
12-18-63 1288610 4992288 5-73					24			14,536	3.60	523						
1451872 GREEN MEADOW OUKE PROGRESSOR..*		10	12	10-16,32,	32	2.5		13,801	3.51	484	23	45	-15	-.02	-4	-4
07-20-63 1288610 4227776 5-73				34,48,61	330			13,775	3.57	492						
1451885 SUNNYSIDE LEADER VEEDICTION...	41-01	79	1	4-35,41,	84	1.5		14,774	3.54	523	17	83	+168	-.06	-2	+3
C9-10-63 1210507 4457688 5-73				45,46	16			14,591	3.62	528						
1451888 FULTONWAY DEAN MARK.....*		2	9	1-23	11	3.7		16,291	3.56	580	9	28	+368	-.04	+8	+18
C2-17-63 1377955 4118424 5-73					45			15,020	3.69	554						
1451902 STALLINGS OAGAN DANCER.....	31-07	25	2	2-41,87	33	1.5		15,488	3.58	554	25	62	+431	-.02	+13	+24
10-13-63 1223243 4426159 5-73					27			14,838	3.60	534						
1451917 ELM RIDGE MAPLE ROCKET.....*		1	38	1-35	38	1.9		11,960	4.16	497	**	27	-106	+.05	+3	-1
C8-05-63 1386406 5102217 5-73					9			12,132	3.96	481						
1451920 DEDNA MISTER OE KOL.....*		17	5	6-33,35,	38	2.3		14,574	3.78	551	16	61	+222	+.08	+20	+23
06-22-63 1250992 5314758 5-73				41,42,56	53			14,188	3.65	518						
1451949 GEORGETOWN SKYANN ILEX JOHNIE.*		3	20	1-21	24	2.3		18,075	3.37	609	10	29	+485	-.02	+14	+26
07-05-63 1213164 5180970 5-73					35			16,639	3.40	565						
1451955 R & L IDEAL COMET.....*		12	7	2-48,74	30	1.9		13,633	3.71	506	25	50	-381	+.01	-13	-22
C8-24-63 1144239 4899223 5-73					17			14,399	3.72	535						
1451982 OON AUGUR LOMET OPPORTUNITY...*		4	4	1-21	11	2.0		17,563	3.18	558	18	32	-48	-.09	-15	-14
C9-21-63 1343126 5517121 1-73					36			18,087	3.41	617						
1452014 COMMONWEALTH CSH CHIEF CHAMP..		1	33	1-61	33	1.9		14,188	3.78	537	35	26	-35	+.03	+3	+1
C7-02-63 1249430 4892400 5-73					38			14,322	3.66	524						
1452015 COMMONWEALTH CSH 8URKE PAT....		2	14	1-61	16	1.9		15,037	3.72	559	38	26	+19	.00	+1	+1
08-04-63 1136723 4232607 5-73					24			15,026	3.72	559						
1452047 SHERWOOD EXCEL.....*		1	20	1-35	20	2.9		14,288	3.65	522	0	27	+128	.00	+5	+8
10-01-63 1378594 4841813 5-73					34			13,758	3.65	502						
1452057 LLENROC ROYAL DEAN.....*		2	20	2-35,86	22	2.5		11,814	3.50	413	6	28	-95	+.02	0	-3
10-24-63 1362609 4176979 5-73					35			11,904	3.41	406						
1452078 STERLINGDALE PIONEER ADMIRAL..*	23-09	2	23	1-21	25	2.7		18,787	3.32	624	8	29	+758	-.13	+7	+29
11-07-63 1292880 4409047 5-73					22			16,382	3.72	610						
1452090 OUKE KENNDALE CENTURION.....*	21-10	125	2	8-11,13,	169	2.1		15,971	3.44	550	19	90	+433	-.12	-2	+11
C2-15-63 G10239301 011235009 5-73				16,21,23	23			15,614	3.57	557						
1452091 V V JASON CHIEFTAIN.....*	21-10	53	1	4-13,14,	59	2.8		14,311	3.57	511	17	80	-428	.00	-15	-25
C2-23-63 1215995 4568459 5-73				16,21	18			14,898	3.57	532						
1452096 ERWINDALE SULTAN MAX.....*		6	7	1-21	15	2.7		15,842	3.39	537	0	36	+48	-.05	-6	-3
C7-13-63 1273690 5115917 5-73					28			15,853	3.53	560						
1452104 REXSON SKOKIE PRESIDENT.....*		3	21	1-21	25	2.7		14,245	3.41	486	13	31	-31	-.05	-8	-7
12-19-63 1288610 5781262 5-73					29			14,344	3.59	515						
1452108 HERRICK HILL ROCKET WALLIE....		1	18	1-23	18	2.9		14,322	3.81	546	6	27	+238	+.02	+11	+16
11-04-63 1153043 4990587 5-73					11			13,336	3.76	502						
1452125 CULVER LIEU LAD IVAN.....	63-01	40	4	1-63	107	2.3		12,952	3.63	471	13	83	-740	+.03	-22	-40
C9-10-63 1145788 3914708 5-73					25			13,799	3.59	496						
1452131 CLOVER HILL REFLECTION MADCAP.*		1	19	1-14	19	2.8		13,223	3.74	494	16	27	-283	-.02	-13	-19
C7-02-63 1389431 4580968 5-73					27			14,279	3.84	549						
1452133 FORDHAVEN CAPPY SONYA.....*		2	11	1-13	13	2.4		9,211	3.41	314	11	20	-253	-.01	-11	-17
08-21-63 1144239 3805385 5-73					19			9,713	3.51	341						
1452157 ELMWOOD HOPE COMET 80Y.....*		3	23	1-35	27	2.0		14,721	3.88	571	13	28	+82	+.08	+15	+15
08-19-63 1243697 4897848 5-73					15			14,434	3.57	516						
1452173 HODDS CHERRY HILL C OYNAMO....		2	63	2-12,14	65	2.5		12,799	3.59	460	3	31	-239	+.03	-5	-11
11-15-63 1231982 4316209 5-73					22			13,496	3.53	476						
1452242 INGLIS ADAM IVANHOE.....*		7	21	1-21	44	1.9		14,296	3.67	524	12	41	-237	+.07	+1	-6
07-05-63 1189870 4071579 5-73					35			14,934	3.50	522						
1452285 OAKTON OON 8URTON JULE.....		1	31	1-21	31	1.8		11,836	3.38	400	21	26	-172	-.01	-7	-11
10-01-63 1270090 4181094 5-73					9			12,299	3.42	421						
1452290 HAYSSEN MASTER DUKE.....*		1	18	1-35	18	2.4		12,377	3.47	429	0	25	-31	-.01	-3	-3
10-14-63 1409357 4770175 5-73					28			12,295	3.55	437						
1452319 SARGES FINALE DEAN.....		6	16	1-48	40	2.2		14,217	3.52	500	3	45	+142	-.04	0	+4
08-21-63 1188192 4481789 5-73					22			13,848	3.61	500						

REGISTRATION NUMBER / NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS HM/DAU	REC/DAU HEROMATE	MILK	%	FAT	% 1ST INC	% REPT	PREDICTED DIFFERENCES MILK	%	FAT	$$
1452322 LAWN GROVE LEADER PRIDE.....*		8	11	1-33	26	2.3	16,103	3.51	566	5	42	+380	-.05	+6	+16
11-12-63 1237057 4380041 5-73					9		15,277	3.64	556						
1452343 JTAG KNIGHT OLIVE ODELL.....*		4	16	3-82,87,	28	2.4	15,102	3.54	535	12	37	+64	-.02	-1	+1
07-21-63 1242221 4539549 5-73				93	20		14,990	3.62	543						
1452345 UTAG DAGAN EX ALAN.....	35-75	63	1	19-21,34,	77	2.1	15,582	3.52	548	13	82	+441	-.05	+9	+21
09-24-63 1223243 3961563 5-73				41,42,55	29		15,117	3.57	539						
1452367 OAK BEND ROYAL CITATION 2D....*		4	7	2-41,45	13	1.9	15,565	3.87	603	22	31	+226	+.03	+13	+18
01-26-63 1381772 4629981 5-73					20		14,873	3.80	565						
1452394 LEDON ORMSBY BURKE.....*		3	6	1-48	14	1.7	17,264	3.71	641	29	32	+410	+.08	+26	+34
11-17-63 1324328 4500913 5-73					19		16,150	3.48	562						
1452493 WILLOW FARM LUCIFER PERSEUS...*		6	12	2-11,22	21	2.0	17,082	3.72	636	20	33	+282	-.03	+6	+13
08-16-63 D10260599 4566478 5-73					27		16,433	3.83	630						
1452519 GREEN ACRES OLIVER ARISTOCRAT.*		4	36	4-23,35,	42	2.3	13,476	3.75	506	3	31	+109	+.01	+5	+7
09-05-63 1236789 4671186 5-73				51,55	23		12,983	3.74	485						
1452524 OELFKES KING HI HOPE.....*		2	8	1-41	10	1.4	13,138	3.60	473	**	22	+21	-.01	-1	0
12-08-63 1353685 3986288 1-73					8		12,892	3.69	476						
1452563 SCHENCKWOOD BURKE ADANTHA.....*		1	10	1-21	10	1.8	16,395	3.38	554	0	21	+21	-.01	-1	0
10-07-63 1278044 5076112 1-73					13		16,504	3.46	571						
1452593 MON CHER PIONEER PAUL.....		1	23	1-42	23	3.1	11,270	3.93	443	0	28	-390	+.04	-8	-18
10-22-63 1292880 4896013 5-73					20		12,454	3.76	468						
1452598 WIS SYMBOLIC MASTER LAD.....*		4	4	2-35,42	10	2.5	15,376	3.49	536	22	33	-102	-.04	-10	-11
10-26-63 1385713 4566770 5-73					11		15,637	3.64	577						
1452604 RAYSIDE THORNLEA SUPREME.....*		1	10	1-23	10	2.6	14,228	4.18	595	0	22	-340	+.07	-3	-13
09-01-63 D10264804 4549728 1-73					36		15,911	3.92	623						
1452607 STANEAN OE LUXE KERK.....	35-75	34	2	10-23,41,	44	2.6	16,564	3.56	589	13	74	+939	-.04	+28	+51
08-22-63 1085978 4639873 5-73				55,91,93	49		15,390	3.61	555						
1452615 NYS CLINTON KENNEDY JOHN F....*		1	10	1-21	10	2.2	18,915	3.45	652	11	22	+358	-.01	+12	+21
11-21-63 1389471 4954341 5-73					25		17,586	3.45	606						
1452642 BLJEGILL PONTIAC ADJUDICATOR..*		4	6	1-23	11	1.8	14,435	3.68	531	**	28	-203	+.03	-3	-9
12-18-63 D10260599 5384119 5-73					16		15,258	3.60	549						
1452720 FULTON FARMS WIPLEDALE PRINCE.	61-02	121	3	5-51,52,	201	1.9	14,114	3.53	498	12	91	-518	-.07	-29	-39
11-28-63 1263152 4947494 5-73				54,55,87	25		14,719	3.61	532						
1452743 ALTURA DELIGHT PONTIAC.....*		8	5	3-41,45,	22	2.6	14,287	3.62	517	6	49	+310	-.05	+4	+13
12-14-63 1391977 5460962 5-73				47	23		13,576	3.73	507						
1452783 KALENE SNOWFLAKE GRANNY.....*		4	9	2-91,92	14	2.1	15,481	3.75	580	10	29	-30	+.01	0	-1
12-08-62 1277619 4365829 5-73					30		15,721	3.73	586						
1452802 BYE PAT LEADER CREATOR.....		1	16	1-42	16	3.5	11,976	3.55	425	13	27	-697	+.09	-13	-32
10-07-63 1198696 5153892 5-73					15		14,560	3.24	472						
1452815 DRAGOMON FARMS ROYAL F PDSCH..*		2	45	1-34	52	2.2	15,029	3.43	516	9	31	+188	-.03	+2	+7
09-20-63 1351532 4347839 5-73					14		14,436	3.52	508						
1452846 MORMILK CAPTAIN IDEAL.....		1	37	1-56	37	2.0	16,809	3.44	578	10	28	+94	-.03	-1	+2
09-02-63 1144239 4862281 5-73					79		16,699	3.56	594						
1452853 LARKFIELD PEARL CAPTAIN.....*		9	5	2-32,33	21	1.4	13,411	3.62	485	**	42	-550	-.04	-25	-37
08-10-63 1341697 3313774 1-73					34		14,749	3.73	550						
1452858 EDLANE COMBINE JESS.....*		11	59	4-23,31,	109	1.9	14,083	3.68	518	12	41	-146	+.05	+2	-3
09-20-63 1188731 5124937 5-73				32,34	41		14,446	3.54	512						
1452895 OON-SIM POND HOPE NOEL.....*		7	29	1-13	40	2.5	14,242	3.74	533	25	34	-650	+.04	-18	-34
12-25-63 1243697 4985293 5-73					26		16,333	3.65	596						
1452936 GREEN BANKS ADMIRAL CARL.....*		1	12	1-21	12	1.4	13,285	3.36	447	**	21	-272	.00	-10	-16
11-06-63 1237057 4302218 5-73					27		14,636	3.41	499						
1452986 WEED FARMS JASON EARL.....*	21-10	33	1	2-13,21	36	2.8	15,414	3.61	556	11	71	+320	+.04	+17	+24
11-15-63 1215995 4302889 5-73					27		15,028	3.55	534						
1452989 SUNNY PASTURES I MIKE.....*		6	9	1-13	19	3.3	15,820	3.55	562	6	39	-218	-.13	-26	-28
10-15-63 1377802 4396368 5-73					26		16,606	3.88	645						
1453016 MR ARISTOCRAT ADANTHA.....*		5	11	1-21	29	2.6	14,157	3.59	508	18	45	-720	-.02	-29	-46
08-25-62 1313579 4235369 5-73					13		15,911	3.66	582						
1453031 LOWELL BENEFACTOR JERRY.....*		1	30	1-35	30	2.4	15,352	3.61	554	9	27	+316	-.02	+9	+17
10-09-62 1199324 5179501 5-73					10		14,178	3.67	521						
1453032 LONGHURST ORMSBY PAL.....		3	5	1-21	11	1.7	14,711	3.71	546	60	30	-268	+.01	-8	-15
11-30-63 1423434 4483259 5-73					18		15,759	3.70	583						
1453080 MILLBRAND CARNATION WALLIE....*		9	2	3-13,14,	12	2.6	13,604	3.54	481	17	42	-195	-.04	-13	-17
03-29-63 1386685 4688331 5-73				33	57		14,034	3.66	514						
1453120 HUNTING CREEK JOHN GLENN.....*		5	9	4-23,33,	17	1.7	16,879	3.66	618	50	32	+387	-.01	+13	+22
11-20-63 1189870 4245160 5-73				50,51	31		15,808	3.68	582						
1453188 LIFE-O-RILEY POND HOPE.....*		7	4	2-82,87	23	2.4	14,877	3.49	519	6	52	+90	-.06	-6	-2
07-18-63 1243697 4900213 5-73					12		14,739	3.62	533						
1453217 MANHEIMVILLE BARON BELWAYNE...		1	14	1-21	14	2.0	15,753	3.41	537	0	24	+81	-.03	-1	+2
08-14-63 1355660 4568607 5-73					14		15,526	3.53	548						
1453219 MIL-MOR BLEND BARON.....*		2	9	1-48	17	2.2	16,318	3.50	571	0	34	+252	+.01	+10	+16
10-22-63 1226862 4301514 5-73					28		15,712	3.47	545						
1453227 BAUGO VALLEY ADMIRAL KING.....*		4	7	1-32	13	1.2	14,538	3.50	509	**	28	+101	-.01	+2	+5
10-18-63 1237057 2727153 5-73					15		14,150	3.53	500						
1453235 DE LOR ALCARTRA ROWSDALE JOY..*		2	13	2-35,74	16	2.3	11,813	3.67	433	**	28	-153	+.02	-3	-7
12-02-63 1383551 4542033 5-73					15		12,136	3.63	441						
1453242 KING-STREET MAESTRO ENCHANTER.*		2	9	1-34	14	2.0	12,466	4.08	508	18	29	-527	+.12	-2	-18
12-19-63 1352344 5187591 5-73					13		14,302	3.62	518						
1453249 CURTMAID GINGER BOLD.....		1	35	1-93	35	2.5	18,287	3.58	654	**	28	-15	.00	-1	-1
01-02-62 1258673 4894956 5-73					180		18,783	3.59	675						
1453268 DIAMOND GROVE IDOL.....*	23-09	2	25	1-52	27	2.3	15,949	3.54	564	4	29	+143	+.01	+6	+9
10-12-63 1223904 5303167 5-73					59		15,570	3.51	547						
1453276 MILK & HONEY RAG APPLE HOPE...*	23-09	149	2	6-22,23,	199	2.2	13,689	3.83	524	14	92	-844	+.08	-19	-41
11-11-63 1243697 3584837 5-73				50,51,52	18		14,631	3.75	549						
1453282 IXONIA ROYAL BEACON.....*		2	20	1-42	22	2.1	15,009	3.48	523	18	27	+185	-.04	+1	+6
11-14-63 1415107 5316717 5-73					14		14,315	3.62	518						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEIFERS	EFF DAU /HD	STATES NO- WITH MOST DAUS	...DAUGHTERS AND HERDMATES... DAUS	REC/DAU HERDMATE	MILK	%	FAT	%	PREDICTED DIFFERENCES MILK	%	FAT	$$
1453300 CARELLA KING CALIFORNIA.....		1	12	1-93	12	2.1	14,550	3.79	552	29	23	-260	+.02	-6	-13
10-19-63 1350463 3621801 5-73					78		15,857	3.71	589						
1453321 EBYDALE PILOT.....*	23-11	66	7	3-22,23,	115	2.6	14,138	3.66	517	17	81	-747	-.09	-39	-55
C4-06-63 0102175491 0107260981 5-73				51	23		15,136	3.78	572						
1453355 ROSE EDGE FANNIE OUKE.....		3	46	1-42	50	1.8	12,271	3.85	472	14	28	+343	+.03	+17	+24
12-25-62 1329812 4636654 5-73					7		10,680	3.75	400						
1453380 CHARNETZKI PIONEER ROAMER.....		1	40	1-45	40	2.4	14,784	3.44	509	4	29	+526	-.02	+16	+29
C7-01-63 1292880 4717626 5-73					9		12,791	3.48	445						
1453396 JONESWAY CREAMELLE COMET.....*		4	7	I-35	13	1.9	14,700	3.59	527	13	31	+155	.00	+6	+10
C8-30-63 1314787 4762580 5-73					7		14,181	3.57	506						
1453411 A F CRISSCROSS CRUSADER REPEAT*		11	9	3-33,35,	24	1.8	12,515	3.84	480	35	41	-393	+.04	-8	-18
C7-16-63 1378594 3977105 5-73				61	21		13,380	3.74	501						
1453413 ROUND OAK PERSEUS ADVANCER....*		8	5	3-51,52,	18	2.4	15,416	3.61	556	0	44	+368	-.04	+8	+18
C8-04-63 0102650599 4779074 5-73				57	39		14,550	3.70	539						
1453418 PATSY MAMMOTH SPRING PROGRESS.	35-75	42	1	13-13,21,	49	2.8	15,051	3.56	557	11	77	+137	-.02	+2	+6
C9-29-63 975138 3825233 5-73				23,35,55	36		15,592	3.58	558						
1453426 LIME HOLLOW BURKGOV CHEM.....	61-02	74	3	6-31,32,	130	2.4	14,142	3.56	503	14	87	-304	-.04	-16	-22
10-28-63 1038509 4312108 5-73				33,61,74	22		14,505	3.61	523						
1453485 B D I MONTE IMPERIAL ABE.....	35-75	34	2	10-21,34,	55	2.5	16,803	3.55	597	13	75	+604	-.05	+15	+31
11-04-63 1137421 3837425 1-73				35,55,93	51		16,181	3.61	584						
1453486 B D I QUIZ PAUL ALEC.....	41-01	33	2	4-41,45,	41	2.2	13,439	3.68	494	11	71	-772	+.08	-17	-37
C9-04-63 1242816 4645543 5-73				51,87	22		14,510	3.58	520						
1453487 B D I QUIZ HECTOR ORRIE.....	41-01	21	1	1-41	22	2.2	13,394	3.62	485	16	58	-276	+.03	-6	-13
11-05-63 1242816 5147622 5-73					11		13,810	3.58	495						
1453490 B D I SKOKIE PRINCE.....*	16-04	29	15	5-11,14,	61	2.1	13,983	3.60	504	8	56	+18	-.03	-4	-3
11-02-63 1282185 5246544 5-73				16,23,51	20		13,902	3.68	512						
1453518 MAR RD OEL OUNLOGGIN MASTER...*		2	10	1-31	12	2.5	15,520	3.45	536	0	26	+236	.00	+8	+14
07-27-63 1323323 3345252 5-73					23		14,617	3.45	504						
1453523 ROMEO ORMSBY LEADER.....*		1	25	1-21	25	2.3	17,284	3.49	604	5	27	+88	-.04	-3	0
08-12-63 1259069 4480331 5-73					35		17,237	3.65	629						
1453524 ROMEO PABST LEADER PRINCE.....*		1	16	1-21	16	1.6	15,935	3.88	618	0	23	-245	+.08	+2	-6
12-26-63 1277213 4293397 1-73					32		17,290	3.59	620						
1453543 OATS FARM MARATHON RAG APPLE..*		2	16	2-88,93	20	1.9	15,656	3.59	562	28	27	-146	+.02	-2	-6
C7-21-63 1237057 4671515 5-73					25		16,396	3.53	579						
1453554 TREGER PONTIAC PRINCE.....		1	30	1-86	30	1.6	17,288	3.05	528	31	25	+117	-.08	-7	-2
10-20-63 0102650599 4136235 5-73					37		17,094	3.29	563						
1453591 LIME HOLLOW IVANHOE IDEAL.....*		3	12	1-21	17	3.0	18,510	3.57	661	12	32	+555	-.03	+15	+29
12-26-63 1189870 5127470 5-73					19		17,045	3.67	626						
1453592 LIME HOLLOW BURKGOV SUPERMAN..	35-75	23	1	12-21,35,	26	2.7	15,447	3.54	547	5	54	-205	-.06	-15	-19
12-29-63 1038509 4937337 5-73				42,55,82	30		15,924	3.64	579						
1453597 OESHONS TIDY OUNLOGGIN GOLD...*		1	11	1-13	11	2.6	15,518	3.70	574	**	23	+156	-.02	+3	+7
12-28-62 1258457 4617774 5-73					25		14,889	3.79	564						
1453599 COULTERHOME PIONEER OEAN.....*		2	8	1-21	10	2.5	15,474	3.45	534	11	25	-639	-.02	-26	-41
10-11-63 1292880 4112855 5-73					17		18,462	3.55	656						
1453609 SPRINGSIDE DOUBLE GREAT.....		1	13	1-87	13	2.3	12,849	3.55	456	18	24	-168	+.04	0	-5
12-02-63 1353622 5265379 9-72					8		13,455	3.38	455						
1453633 VISTA GRANDE CORONET HAVEN....*		9	9	3-23,51,	32	2.3	13,331	3.73	496	23	49	-754	-.01	-29	-47
11-13-63 1215448 5023240 5-73				52	17		14,888	3.77	561						
1453637 SPEICH PRINCE X BETA ZETA.....*		2	32	1-35	34	1.9	17,440	3.84	669	3	27	+114	+.03	+8	+10
11-03-63 1277213 4771342 5-73					17		17,308	3.77	653						
1453648 EAST BRANCH GRAY VIEW CROSS...*		6	12	2-35,51	25	1.7	13,438	3.77	507	18	36	-479	+.06	-9	-22
11-25-63 1378594 3143478 5-73					12		14,813	3.63	537						
1453650 LEMAX WALKER ABNER.....*		2	9	1-13	11	2.6	14,244	3.38	481	9	25	+62	-.04	-3	-1
12-17-63 1279868 4883624 1-73					14		13,957	3.55	496						
1453671 PARKCHESTER POSCH IVANHOE-TWIN*		2	27	1-52	29	2.0	15,963	3.57	570	7	27	+272	-.01	+9	+16
11-16-63 1189870 4491031 5-73					53		15,035	3.60	541						
1453694 CAERNARVON PRIDE ADMIRABLE....*		1	12	1-23	12	3.3	14,702	3.76	553	0	25	-75	+.01	-1	-3
08-27-63 1237057 5131112 5-73					31		15,071	3.76	567						
1453721 PINEHURST KLAZERINA KINGPIN...*		10	1	6-33,34,	11	2.4	16,295	3.55	579	0	42	+364	-.05	+6	+16
06-22-63 1401693 4037832 5-73				35,41,48	16		15,552	3.67	570						
1453726 PINEHURST ADMIRAL ESQUIRE.....*		3	12	1-35	16	2.0	15,115	3.29	497	0	28	+341	-.07	+2	+12
11-02-63 1286826 5770848 9-72					25		13,817	3.52	487						
1453727 LOCKS-VALLEY IVANHOE JOE.....*		1	18	1-23	18	2.1	13,753	3.63	527	19	25	-39	+.03	+3	+1
10-25-63 1189870 4110628 5-73					49		13,858	3.70	513						
1453732 GRAY VIEW X HOST.....*		9	11	1-42	41	1.7	14,745	3.78	557	7	50	-65	+.09	+10	+6
01-14-64 1378594 4680785 5-73					14		14,977	3.60	539						
1453775 JIMBODAY MUTUAL WIS NO 1-TWIN.		5	6	1-34	21	1.7	17,085	3.60	615	8	41	+209	+.06	+16	+19
12-25-63 1387974 5243171 5-73					15		16,821	3.47	583						
1453786 JERGENS ROYAL SKY ROCKET.....*		2	31	2-41,47	33	2.9	15,561	3.50	545	10	31	+179	-.06	-2	+4
09-16-63 1305460 5554560 5-73					19		15,037	3.70	557						
1453793 MARDY REFLECTOR PRINCE.....*		8	3	2-13,21	13	2.1	13,544	3.74	506	**	40	-653	+.11	-9	-27
11-20-63 1353196 3547155 5-73					17		15,252	3.49	533						
1453820 POSCH HARTOG IVANHOE.....		2	25	1-23	30	1.7	12,734	3.65	465	12	29	-233	-.01	-10	-15
C8-17-63 1189870 4412776 5-73					12		13,451	3.72	501						
1453824 AJRF LANAS ROYAL MASTER.....*		5	20	2-84,93	69	1.8	16,071	3.50	562	27	52	+221	-.08	-4	+3
09-22-63 1305460 3832324 5-73					75		15,786	3.66	578						
1453835 SAWYER SIGNAL OUKE BERT.....*		3	16	1-21	24	2.4	13,507	3.53	477	5	34	-2	.00	0	0
10-23-63 1389778 4606157 5-73					23		13,418	3.53	473						
1453914 EVE BUTTERKING ROMEO.....*		1	17	1-64	17	2.1	9,114	3.49	318	7	24	-560	.00	-20	-33
C8-29-63 1382485 5282626 5-73					3		11,103	3.55	394						
1454006 LAVACRES SOVEREIGN BURKE SHANE*		4	37	1-34	43	2.1	13,742	3.63	499	18	30	-570	-.03	-25	-38
04-14-63 1382958 4186642 5-73					11		15,752	3.75	591						
1454033 ROJAN PIONEER YEOMAN.....*	35-03	24	6	2-33,35	42	1.8	15,209	3.89	592	14	59	-194	+.13	+11	+3
04-22-63 1292880 4429330 5-73					30		15,669	3.70	580						

REGISTRATION NUMBER / NAME / DF / BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HO	STATES ND- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS HM/DAU	REC/DAU HEROMATE	MILK	% MILK	FAT	% FAT	% 1ST INC	% REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1454049 RICHMAN SHAMROCK PRINCE.....*		9	2	1-31	14	2.3	14,550	3.48	507	8	45		+197	-.06	-1	+5
07-31-63 1417522 5244443 5-73					20		14,081	3.63	511							
1454052 ROJAN CAPTAIN JUKE.....		1	11	1-35	11	2.7	15,874	3.60	571	0	24		+81	-.01	+1	+3
10-26-63 1288610 5616501 5-73					20		15,659	3.66	573							
1454085 PAUL-LYN BINGO JUKE-TWIN.....*		3	9	1-48	25	2.2	14,542	3.29	478	21	43		-114	+.01	-3	-6
11-28-63 1282720 3190111 5-73					27		14,852	3.26	484							
1454109 D D & J TY VIC PABST.....		1	21	1-42	21	2.3	13,035	4.08	532	0	26		-23	+.05	+7	+5
07-18-62 1205850 4660513 5-73					15		12,988	3.87	503							
1454117 BRAINTRIM OELL TRIUNE.....*		3	5	1-23	12	2.5	14,267	4.02	573	8	34		-555	+.09	-7	-23
11-24-63 1251743 3240438 5-73					12		16,096	3.77	607							
1454118 LOCKWAY RICH IVANHOE-TWIN.....*		34	13	9-21,23,	93	1.7	13,780	3.80	523	14	67		-412	+.06	-7	-18
06-02-63 1189870 4482901 5-73				32,35,51	64		14,397	3.73	537							
1454120 SODDALE AAGGIE HI HOPE.....		2	51	2-34,46	53	2.7	12,552	3.59	451	14	31		-215	+.01	-6	-11
06-07-63 1250992 3974214 5-73					5		13,128	3.56	468							
1454161 LOCHLAWN R A DYNAMO.....*		3	14	1-41	22	2.5	15,052	3.82	575	5	34		+15	+.06	+9	+8
09-16-63 1402113 4749110 5-73					13		15,077	3.67	553							
1454163 LOCHLAWN R A QUEBEC.....*		2	19	2-35,41	21	2.6	13,125	3.62	475	11	28		-399	+.04	-9	-19
10-20-63 1402113 5215949 5-73					10		14,555	3.50	509							
1454165 LOCHLAWN R A EMPEROR.....*		6	23	1-47	44	2.2	14,747	3.68	542	10	40		-333	.00	-12	-20
12-08-63 1402113 4649706 5-73					23		15,704	3.69	580							
1454179 MARSHFIELD HOVER ROLINER.....*		1	10	1-55	10	1.0	16,181	3.10	502	**	18		-20	-.02	-3	-3
08-22-63 1421170 5274556 5-73					3		16,513	3.19	526							
1454191 KOM BOSS CHAMPION.....*		1	13	1-34	13	2.4	14,173	3.69	523	13	24		+282	-.04	+5	+13
05-26-63 1397752 3654911 5-73					17		12,858	3.89	500							
1454218 LINDBORG PREMIER HEIDI.....		1	24	1-41	24	2.0	14,384	3.55	511	**	26		-372	+.04	-8	-18
07-17-63 1388747 5623967 5-73					3		16,032	3.43	549							
1454220 LINDBORG PREMIER CAPTAIN-TWIN.		1	35	1-41	35	2.0	14,736	3.65	538	20	27		-14	+.02	+3	+2
12-06-63 1388747 4404873 5-73					15		14,836	3.55	526							
1454235 STRICKLAND ROBURKE RUSTY.....		1	17	1-35	17	2.7	13,119	3.58	470	**	26		-203	.00	-7	-12
10-04-63 1324959 4774300 5-73					18		13,841	3.61	499							
1454262 JOE PIPER SKOKIE GOVERNOR.....*		3	8	2-61,63	11	1.9	14,932	3.57	533	30	26		-237	.00	-9	-15
11-14-63 1322331 3529809 5-73					14		16,029	3.61	578							
1454276 OASS RIDGE SECURITY.....*		2	9	2-23,45	11	2.0	16,175	3.43	554	10	25		+9	-.04	-5	-4
07-12-63 1404825 3663896 1-73					11		16,331	3.59	587							
1454284 ASTRA OE KOL DALE OANDY.....*		6	5	1-13	20	2.9	16,858	3.41	575	0	47		+562	-.12	+2	+19
02-25-63 1038509 3449211 5-73					14		15,830	3.65	577							
1454302 BOYS TOWN MONTVIC EMPEROR.....*		7	13	3-42,47,	41	2.1	14,057	3.68	518	22	48		-192	+.03	-2	-7
12-22-62 1230640 4426292 5-73				84	34		14,469	3.62	524							
1454407 BUSY ACRES ROBURKE SEARS.....	35-75	37	1	14-21,23,	42	2.3	15,968	3.55	567	20	73		+683	-.07	+14	+32
10-17-63 1085978 4714170 5-73				35,41,91	31		15,097	3.65	551							
1454429 DEE ANN SILVER TIMOTHY-TWIN...*		13	3	6-34,35,	24	1.9	12,287	3.77	463	15	53		-1,026	+.16	-16	-44
07-07-63 1342896 4901715 5-73				43,71,73	29		14,198	3.47	492							
1454431 DEE ANN SILVER MAPLE.....*		10	28	2-41,71	46	2.8	14,540	3.80	552	5	39		+165	+.01	+8	+12
09-26-63 1342896 5636812 5-73					12		14,090	3.78	533							
1454432 DEE ANN CHALLENGER.....*		4	14	2-84,93	34	1.7	15,635	3.95	617	32	40		-225	+.14	+12	+3
07-01-63 1230610 4679649 5-73					104		16,398	3.62	594							
1454457 CRACKYS HOPE ARAB TOPPER.....*		2	26	1-21	28	2.0	13,729	3.55	488	25	27		-119	.00	-4	-7
11-18-63 1243697 4952729 5-73					25		14,151	3.57	505							
1454476 KENLAWN A B C CHAMPION.....*		2	22	1-21	24	2.6	15,246	3.54	539	9	29		+129	.00	+4	+7
03-07-63 1276654 4463012 5-73					18		14,841	3.54	526							
1454498 SLEEPY HOLLOW SENSATION CHIEF.*		5	14	1-93	24	2.1	17,823	3.95	704	5	35		+157	+.11	+21	+22
12-10-63 1346373 5153341 5-73					60		17,730	3.72	658							
1454522 MEL-DEL ROBURKE FRANK PRINCE..		1	13	1-23	13	2.4	15,809	3.83	605	**	24		+235	+.01	+10	+15
08-15-63 1445820 5483739 5-73					15		14,858	3.83	569							
1454528 ZELOENRUST ROYAL MASTER.....*		7	10	1-32	23	2.7	12,247	3.51	430	11	41		-417	-.01	-17	-27
07-05-63 1397752 4371255 5-73					22		13,155	3.57	469							
1454529 ZELOENRUST ROYAL CHIEFTAIN....*		14	3	4-31,32,	20	1.7	13,716	3.59	492	13	49		-292	.00	-11	-18
07-12-63 1397752 3796459 5-73				34,73	22		14,302	3.61	517							
1454572 TIERNEY ARISTOCRAT.....*		2	12	1-52	14	2.4	17,539	3.64	638	0	27		+522	+.01	+20	+32
10-15-63 1124780 4892879 5-73					63		15,717	3.61	568							
1454580 EL PAJARO AUDACIOUS C RAGAPPLE		1	76	1-93	76	1.9	17,652	3.49	616	6	29		+7	+.01	+2	+2
08-17-63 1237747 3290658 5-73					129		17,985	3.44	619							
1454585 POESTENKILL MODEL MARATHON D..*		4	6	3-16,43,	12	2.1	14,337	3.96	567	50	30		-406	+.09	-2	-14
11-26-61 1148993 3885270 5-73				48	12		15,794	3.70	584							
1454600 MACS HAPPY ACRES FOND MASTER..*		9	3	3-12,13,	17	2.0	12,983	3.94	511	7	45		-645	+.13	-6	-24
10-01-63 1243697 4881361 5-73				16	21		14,425	3.65	527							
1454632 IONIA MICHOME ROMEO.....*		1	12	1-34	12	2.3	13,827	3.73	516	**	23		-233	+.02	-5	-11
07-22-63 1421012 5347582 5-73					20		14,873	3.64	542							
1454647 FULTONWAY ELECTRA.....*	35-75	44	2	12-23,35,	61	2.7	15,616	3.65	570	2	80		+237	-.01	+7	+13
07-04-63 1189870 3290633 5-73				42,55,92	31		15,421	3.67	566							
1454657 WHITE PLAINS KINGMAKER.....*		17	2	4-31,51,	30	2.0	12,932	3.54	458	23	61		-1,122	+.01	-39	-66
09-24-63 1398236 3933871 5-73				55,56	22		14,806	3.53	523							
1454671 ROOBY IVANHOE OINA CHARM.....	31-07	244	4	12-51,52,	455	1.1	15,882	3.47	551	10	94		+467	-.09	+3	+17
11-27-63 1189870 4481507 5-73				54,63,72	25		15,497	3.56	551							
1454678 HOLTERHOLM REWARD MASTER.....*		2	14	2-51,52	16	2.3	13,755	3.85	530	0	27		+15	.00	0	0
10-20-63 1259391 4371623 5-73					37		13,622	3.92	534							
1454683 TWILLINGBEK SVEN PONTIAC.....		3	5	1-42	10	1.2	13,922	3.57	497	40	24		-91	.00	-3	-5
07-28-63 1397752 4931544 1-73					9		14,288	3.60	514							
1454689 EL-KATRINA OUSTER MIONITE.....		2	31	1-93	35	1.3	15,454	3.90	602	**	26		+100	.00	+4	+6
01-05-64 1403429 3759126 5-73					39		15,145	3.93	595							
1454715 MILLERS HYACINTH GLORY IDEAL..*		3	7	1-35	10	2.8	13,711	3.67	503	0	29		-334	+.01	-10	-18
09-18-63 1389317 4919698 5-73					12		14,943	3.63	543							
1454718 LILLYWHITE IDEAL SANOY.....*		6	11	5-32,57,	23	2.4	14,772	3.55	525	15	39		-202	+.01	-6	-11
09-19-62 1113350 4405506 5-73				61,85,86	65		15,400	3.55	546							

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS HM/DAU	REC/DAU HEROMATE	MILK	%	FAT	% IST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1454720 FULTONWAY IVANHOE BELSHAZZAR..	35-75	42	2	15-21,35,	55	2.0	16,238	3.61	587	19	76	+549	+.01	+22	+35
12-28-63 1189870 4193836 5-73				41,55,91	31		15,640	3.59	562						
1454722 KIRBYDALE OEAN JANSON KING....	21-10	44	1	3-12,13,	44	2.8	14,324	3.59	514	18	75	-523	+.04	-14	-27
08-17-63 1215995 3862890 5-73				21	24		15,091	3.55	535						
1454733 ELMIL CHAMBRIC MARATHON.....*		5	9	2-31,56	32	2.3	12,791	3.74	478	15	49	-469	+.04	-11	-23
05-22-63 1378594 4122017 5-73					28		13,673	3.66	500						
1454736 HIESTAND FARM GOLDEN SEGIS....*		1	23	1-34	23	1.8	13,983	3.26	456	0	25	+48	-.04	-4	-2
02-07-63 1326796 5102116 5-73					12		13,725	3.42	469						
1454767 WRIGHTHILL REFLECTION ANGIE...*		8	13	3-14,21,	33	2.1	15,288	3.70	566	13	43	+260	+.06	+18	+23
09-28-63 1296576 5009962 5-73				52	26		14,721	3.57	525						
1454778 BESSIE B F SKYWAY BILL.....*	33-03	4	11	2-33,35	22	2.1	14,967	3.63	543	14	37	-63	-.03	-6	-7
03-23-63 1396885 3906683 5-73					18		15,224	3.72	566						
1454800 UNH PRESIDENT KING.....*	33-03	259	6	31-11,13,	496	1.4	16,077	3.64	586	14	94	+147	.00	+5	+9
11-08-63 1071565 5170396 5-73				21,23,32	27		16,090	3.65	587						
1454827 CHARTON GLAMOUR BONNIE LAD....*		1	35	1-31	35	2.7	12,953	3.28	425	3	29	-131	-.02	-7	-10
12-28-63 1282185 5221495 5-73					16		13,297	3.35	446						
1454829 ADLER TRIUNE MERCURY.....*		2	11	1-84	16	2.6	15,625	3.52	550	**	31	+313	-.02	+8	+16
07-15-63 1355182 4379188 5-73					7		14,656	3.58	525						
1454849 AMES-WAY ADMIRAL.....		3	9	1-35	19	2.1	13,444	3.64	490	0	36	-181	-.02	-9	-13
07-19-63 1237057 4064387 1-73					9		13,901	3.73	519						
1454883 ADLER JET MOSE.....		1	12	1-84	12	1.1	11,648	3.53	411	**	19	-233	+.01	-7	-13
02-04-64 1432686 5552020 5-73					8		12,712	3.51	446						
1454890 HY-NIC-HOL PERSEUS COLANTHA...*		4	7	4-33,35,	15	2.0	12,641	3.69	467	15	33	-224	.00	-8	-13
06-16-63 250599 4962586 5-73				58,74	33		13,211	3.72	491						
1454921 SPRUCEGATE TRIUNE SENATOR-TWIN*		5	28	1-21	35	2.5	18,016	3.50	631	3	33	+597	-.06	+13	+29
12-08-63 1408583 2992503 5-73					28		16,422	3.65	599						
1454933 CHAR-LENE FARM PIONEER TYCOON.*		2	11	1-51	20	2.0	12,373	3.93	486	15	34	-161	+.03	-1	-6
10-19-63 1292880 5172080 5-73					22		12,686	3.85	488						
1454941 COLO S U WINDY.....*	61-02	139	3	10-31,33,	213	2.0	15,329	3.52	540	9	92	+378	-.09	0	+11
01-21-64 1113350 4362317 5-73				61,74,84	29		14,975	3.62	542						
1454953 HOOSIER SOVEREIGN EXHIBITION..*		2	13	1-32	15	1.5	10,897	3.91	426	33	24	-244	+.02	-6	-12
05-01-63 1352410 3845651 5-73					12		11,659	3.83	447						
1454974 LONESOME DUKE IDEAL.....*		3	8	1-31	16	3.3	15,142	3.48	527	7	36	-326	+.03	-8	-16
08-31-63 1288610 4901896 5-73					17		16,229	3.43	557						
1455053 JER-MAR SNOW BALL.....*		6	21	3-41,47,	40	2.0	13,983	3.96	554	18	39	-144	+.09	+7	+1
08-18-63 1242338 4871515 5-73				48	8		14,352	3.74	537						
1455088 OARMONT CRUSADER DUSTY PIEBE..*		6	11	4-35,61,	26	2.8	16,598	3.65	606	14	43	+438	+.01	+18	+28
08-20-63 1413159 4597147 5-73				65,74	13		15,709	3.63	570						
1455132 STILLWELL ORMSBY OLLIE SIR....*		4	3	4-33,35,	10	1.9	14,980	3.62	542	10	32	+106	+.02	+6	+8
09-12-63 1296266 4152479 1-73				56,72	60		14,676	3.57	524						
1455154 FOREST GREENE PONTIAC SEARS...*		1	10	1-21	10	2.1	16,095	3.26	525	14	21	-116	-.04	-10	-12
11-26-63 1397752 5210448 5-73					22		16,691	3.45	583						
1455159 R O A IMPERIAL MASTERDEAN.....*		1	15	1-21	15	2.5	12,882	3.60	464	0	25	-246	-.02	-11	-16
08-09-63 1245520 4233342 5-73					18		13,816	3.70	511						
1455174 EOOYDALE ELMER.....	21-10	40	1	2-13,21	44	2.9	14,859	3.72	553	14	75	-493	+.15	+3	-12
03-18-63 1215995 4212719 5-73					23		15,641	3.54	553						
1455222 PIEBE PABST BONHEUR.....*		4	8	2-41,55	15	1.8	15,583	3.59	560	0	30	+546	-.02	+17	+30
11-03-63 1213880 4523224 5-73					6		13,707	3.66	501						
1455241 CHASEHOLME KING SOLOMON.....*		4	14	1-21	21	2.7	14,037	3.93	552	11	33	-556	+.10	-6	-22
08-23-63 1389585 5069081 5-73					16		15,852	3.65	579						
1455253 SWAMPY HOLLOW SENSATION STAR..*		2	28	1-51	42	2.0	14,287	3.92	560	11	35	-64	+.03	+2	0
11-15-63 1342656 3515875 5-73					17		14,484	3.86	559						
1455257 ADDHR GOLDEN BEAUTIBOY.....*	34-01	64	2	5-23,32,	93	2.1	14,233	3.53	503	18	84	-236	-.07	-18	-22
08-31-63 1215448 3626309 5-73				34,51,82	23		14,529	3.63	527						
1455268 MEMORIAL-ACRES T BABS GINGER..*		1	35	1-87	35	4.0	14,900	3.71	553	3	31	+38	+.05	+9	+9
10-04-62 1258673 4754224 5-73					22		14,822	3.54	524						
1455269 MEMORIAL-ACRES SYMBOL BEAUTY..		1	10	1-87	10	2.6	13,859	3.47	481	13	23	-277	-.04	-15	-21
06-19-63 1244344 5131937 1-73					33		15,132	3.67	555						
1455276 GALLANT SYMBOL BLENO.....		9	18	2-48,84	47	2.1	16,038	3.35	538	16	47	+313	-.04	+5	+14
10-21-62 1283538 5091627 5-73					23		15,474	3.41	527						
1455315 RON-OI DICTATOR OEAN.....*		7	2	4-32,33,	10	1.9	14,448	3.50	505	**	37	+115	-.01	+2	+5
08-30-63 1179372 4875195 5-73				55,63	34		14,105	3.52	497						
1455351 ADDHR GOLDEN LONOEE0.....*		10	3	4-43,84,	20	1.9	16,186	3.39	548	25	50	-274	-.08	-21	-26
08-05-63 1215448 4227072 5-73				91,93	82		16,991	3.53	600						
1455357 PATCHES REFLECTION ELMER.....		2	37	1-47	64	2.0	12,384	3.38	418	23	39	-456	+.02	-14	-25
01-26-63 1347065 4599735 5-73					12		13,450	3.34	449						
1455358 MACS HAPPY ACRES IVAN SARG....*		15	3	3-11,12,	28	1.7	14,962	3.61	540	15	57	+436	.00	+15	+26
07-22-63 1189870 4881359 5-73				13	23		14,174	3.63	514						
1455364 LIMA FLORINE BOY POSCH.....*		6	6	1-31	23	2.4	13,508	3.46	467	16	47	-416	-.01	-17	-27
09-07-63 1399758 3134481 5-73					40		14,403	3.51	505						
1455365 LIMA CREAM GEORGE POSCH.....*		2	13	1-31	19	1.8	15,280	3.25	496	6	30	+347	-.04	+7	+16
10-05-63 1399758 3392120 5-73					33		14,103	3.31	467						
1455378 WASIOJA BURKE JULE.....*		2	11	1-41	16	2.9	15,368	3.42	525	13	31	+29	-.08	-11	-8
10-04-63 1372052 4921437 5-73					13		15,372	3.69	567						
1455386 RUANN A B C GALLANT.....*		4	15	1-93	49	2.4	17,945	3.36	603	13	51	+263	-.12	-8	+1
07-30-63 010260599 4895685 5-73					77		17,771	3.55	631						
1455399 JO HIGHCROFT RUBE.....*		10	4	3-41,46,	26	2.0	13,437	3.50	470	26	52	-205	-.06	-16	-19
07-06-60 1416711 6036262 5-73				47	21		13,767	3.63	500						
1455406 YURSOEN SJSAN OUKE MARK.....*		2	24	2-35,85	26	2.3	14,821	3.70	549	13	28	0	-.01	-2	-2
11-14-63 1293580 4346068 5-73					18		14,859	3.80	565						
1455429 BILLIT TEXAL SUPREME.....*		14	11	5-13,14,	33	1.9	13,017	3.63	473	16	45	-759	-.07	-37	-53
03-03-63 010254804 4416525 5-73				23,31,41	28		14,725	3.82	562						
1455455 SHAMROCK ASKEWS RADAR.....*		5	5	1-32	11	2.1	15,369	3.60	554	0	31	+171	-.04	0	+5
09-12-63 010260599 5538970 5-73					18		14,863	3.79	563						

REGISTRATION NUMBER / NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HO	STATES ND- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS HM/DAU	REC/DAU HERDMATE	MILK	%	FAT	%	1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1455518 ROCK RIVER VIKING.....		1	25	1-33	25	2.4	14,088	3.80	535	10	10	27	+286	.00	+11	+18
C1-03-64 1355376 5110332 5-73					15		12,883	3.82	492							
1455531 MACGLEERYS CHARIOTEER JR.....*		3	9	2-12,13	13	2.4	14,191	3.54	503	13	28		-388	+.04	-9	-19
C1-18-63 1254887 4277169 5-73					24		15,711	3.45	542							
1455546 DIXONIC LIMELITE.....	93-03	2	8	1-93	13	3.0	17,148	3.83	656	0	31		-115	+.09	+9	+4
C9-10-63 1324830 3755377 1-73					182		17,865	3.58	640							
1455595 SEQUOIA REFLECTION STARDUST...*		10	2	2-86,93	14	1.9	16,591	3.42	567	10	44		-149	-.03	-10	-13
C8-07-63 1382958 5372431 5-73					55		17,211	3.48	599							
1455634 BURKE SHADY BROOK HAWK.....		2	14	1-87	18	1.9	15,917	3.49	556	14	28		-213	+.05	0	-6
12-01-63 1187657 4538104 5-73					36		16,951	3.32	562							
1455649 MARMIL DEAN ANSEL.....		1	15	1-21	15	1.3	13,785	3.71	512	**	21		+93	.00	+4	+6
10-19-63 1049547 4123800 5-73					17		13,237	3.71	491							
1455673 TEXAL SUPREME CONSUL.....*		11	15	2-21,23	32	1.5	13,761	4.02	553	16	37		-458	+.18	+8	-7
C4-21-63 D10254804 D11321565 5-73					29		15,070	3.54	533							
1455690 TRADEMARK DARLA DANOY.....	41-01	30	4	3-34,41,	46	2.4	13,725	3.53	485	11	58		-210	-.05	-14	-18
10-18-63 1247309 4784636 5-73				45	30		13,998	3.61	506							
1455703 WISOF GENERAL HUGO.....		4	7	3-33,35,	15	2.1	14,376	3.80	546	**	34		+551	+.01	+21	+34
11-28-63 1396268 4628881 5-73				42	31		12,563	3.83	481							
1455772 CLEM-EL FARM ILEX REGAL ODUS..		9	31	1-21	53	2.0	14,553	3.52	512	8	38		-326	+.01	-10	-18
12-01-62 1213164 4057233 5-73					9		15,534	3.50	543							
1455798 PILGRIMAGE ILEX PAUL.....*		1	10	1-21	10	1.8	12,587	3.73	470	30	21		-195	+.04	-2	-8
C7-08-63 1213164 3557155 5-73					11		13,430	3.58	481							
1455801 DONKEN CAPTAIN SUPREME.....*		7	4	2-42,47	13	2.2	14,629	3.47	507	45	36		+316	-.05	+4	+13
01-18-62 1144239 4174839 5-73					5		13,676	3.60	493							
1455825 DUKE HARRELWOOD TOPPER.....*		5	4	4-32,33,	10	2.2	11,734	3.93	461	22	31		-330	+.06	-4	-13
C7-04-63 1341636 4516451 5-73				51,61	35		12,617	3.73	471							
1455901 MARLOW RETLAW BURKE FLO.....*		1	29	1-41	29	2.2	15,278	3.59	548	19	27		+3	.00	0	0
C9-20-63 1415744 4574330 5-73					9		15,366	3.61	555							
1455922 HAPPYDALE HONEY CROSS.....*		14	2	3-51,52,	24	1.6	14,632	3.69	540	11	54		+127	+.06	+13	+15
02-20-64 1378594 4140359 5-73				55	35		14,399	3.58	516							
1455983 CHINOOK HEILO ATLAS.....*		2	16	2-91,92	20	1.6	16,146	3.74	604	39	26		-138	+.03	-1	-5
C7-22-63 1178235 4488905 5-73					24		16,929	3.67	621							
1455984 DIAMOND HILL SEQUOIA DIGGWS P.*		4	29	3-22,50,	35	3.0	13,907	3.70	514	14	33		+45	-.01	0	+1
C8-04-63 1289173 4487969 5-73				51	22		13,700	3.77	517							
1456007 HEMONDS CHIEF PANCHO.....		2	19	1-11	21	2.4	13,171	3.67	483	0	28		-4	.00	0	0
10-26-63 1397517 3583600 5-73					20		13,054	3.71	484							
1456019 LUDWIG LEADER LORNE.....	35-21	48	1	3-41,42,	58	2.4	13,908	3.75	522	11	79		-330	+.05	-5	-14
12-01-63 1242338 4939161 5-73				47	17		14,323	3.71	531							
1456021 HARV-ELLA ROYAL JESS.....*		19	2	3-35,41,	27	1.9	13,086	3.56	466	24	60		-539	.00	-19	-32
11-26-63 1420138 4450682 5-73				42	13		13,940	3.57	498							
1456074 W V U LAD CHAMPION.....		3	10	1-54	26	2.2	13,707	3.48	477	5	42		+311	-.09	-2	+8
12-08-63 1122127 5115661 9-72					45		12,611	3.75	480							
1456150 FREEBAER RANGER-TWIN.....*		2	9	1-21	11	1.6	15,891	3.53	561	13	23		+165	-.03	+2	+7
11-21-63 1378594 4617505 9-72					13		15,247	3.64	555							
1456183 MARKSTEAD CRESCENT BURKE.....*		9	1	2-42,74	11	2.2	12,655	3.83	485	25	40		-90	+.07	+7	+3
C9-15-63 1387979 5030191 5-73					16		12,716	3.63	462							
1456265 ROCKCREST REFLECTOR LEADER....*		1	16	1-42	16	2.3	15,201	3.66	556	0	25		+135	-.02	+2	+6
11-08-63 1418407 5141014 5-73					10		14,688	3.74	550							
1456310 SPY ROCK VICTOR HI HOPE.....*		3	12	1-16	16	1.9	15,790	3.58	566	21	27		-115	+.02	-2	-5
12-15-63 1250992 4454825 1-73					26		16,419	3.54	582							
1456331 KNOX VIEW POND HOPE DEMSBY....*		11	3	4-11,12,	21	2.1	15,735	3.90	613	11	52		-91	+.09	+9	+5
12-01-63 1243697 4986216 5-73				13,21	20		16,080	3.76	604							
1456372 HARDEN FARMS AAGGIE CURTISS...*		6	23	2-11,52	32	2.2	16,869	3.57	602	19	33		+401	.00	+15	+24
C2-01-64 1222989 5061314 5-73					38		15,798	3.55	561							
1456388 BENDING ACRES CRESCENT HI HOPE*		1	12	1-13	12	2.7	13,318	3.17	422	0	25		-3	-.05	-7	-6
03-11-63 1250992 4985071 5-73					18		13,217	3.40	449							
1456413 BREEZAC INKA DEAN OE KOL.....	35-75	24	1	9-23,35,	29	2.6	15,615	3.54	553	12	65		+300	-.05	+4	+12
01-26-64 1238509 3165693 5-73				55,82,93	65		15,241	3.61	550							
1456440 POLAND SKOKIE ABE.....		2	16	1-52	18	2.3	12,236	3.82	467	7	27		-217	+.06	+1	-6
10-02-63 1352967 4843174 5-73					45		12,888	3.55	458							
1456456 DARK TIDY BURKE BILL.....*		1	10	1-71	10	2.9	16,555	3.37	558	0	24		+142	-.01	+4	+8
12-25-63 1271810 4944611 5-73					29		16,125	3.38	545							
1456468 HONEYKINE WINDY MONT ROMEO....*		6	6	1-23	14	1.4	18,524	3.63	672	9	31		+731	-.03	+22	+40
11-09-63 1396270 5954501 1-73					14		16,373	3.74	612							
1456492 KNOLLFIELD GINGER DUKE.....		1	17	1-35	17	2.1	14,202	3.77	536	**	24		+130	+.04	+11	+13
11-11-62 1258673 5262679 5-73					10		13,587	3.58	486							
1456520 L-ROSE DYNAMO RAVEN OLIVER....*		3	9	2-35,65	14	2.4	14,851	4.01	596	18	29		-80	+.10	+12	+7
10-17-63 1224316 5157339 5-73					17		15,211	3.67	558							
1456526 AL-MUNGER DARK DON.....	41-01	69	3	3-41,45,	97	1.6	14,182	3.65	517	17	82		-207	+.03	-3	-9
C7-02-63 1237057 4638789 5-73				46	20		14,439	3.62	522							
1456535 GLENAFTON R A CAESAR.....	61-02	64	3	7-31,33,	102	2.0	12,848	3.69	474	14	83		-1,197	+.05	-37	-67
03-06-63 1243697 D10869974 1-73				35,61,74	21		14,278	3.64	520							
1456540 GLEN VALLEY IVANHOE LAD.....*		3	22	3-23,35,	27	1.7	12,813	3.86	495	35	29		-264	+.05	-2	-10
11-25-63 118987C 4634209 5-73				42	18		13,669	3.68	503							
1456553 LAVACRES DAWN BROOK.....	87-01	20	2	3-41,82,	28	1.3	11,329	3.69	418	36	57		-1,686	+.04	-56	-97
02-10-64 1291500 3960317 5-73				87	31		14,288	3.63	519							
1456590 MAN-O-WAR B F ECHO MOSE.....		4	13	1-41	25	2.1	14,454	4.02	581	26	36		-147	+.04	+1	-4
12-18-63 1404688 4605703 5-73					31		14,915	3.92	585							
1456621 NORROOK DAVE LAD.....*		1	61	1-23	61	2.9	11,764	3.54	416	2	31		-134	-.03	-9	-11
07-18-63 1204108 4333673 5-73					25		11,963	3.69	442							
1456650 WEARY RIVER R M ORMSBY.....		5	4	1-93	13	1.5	17,601	3.50	616	**	35		-140	+.01	-3	-7
03-08-63 1305460 3736160 5-73					101		18,411	3.48	640							
1456655 HILL-GIRT WIDALE DUKE MARK....*		1	10	1-23	10	3.2	14,728	3.39	499	0	25		+273	-.05	+2	+10
06-16-63 1222994 4215270 1-73					11		13,526	3.60	487							

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS HM/DAU	REC/DAU HEROMATE	MILK	%	FAT	%	1ST REPT INC	%	PREDICTED DIFFERENCES MILK	%	FAT	$$
1456661 MILK & HONEY LILA HOPE.....*	23-09	64	2	3-23,50,	87	2.3	14,725	3.87	570		7	84	+22	+.12	+18	+15
10-09-63 1243697 5132543 1-73				51	23		14,733	3.75	552							
1456663 M V B A FOND HOPE MATILDA HAL.	41-01	73	1	5-41,45,	87	2.0	13,404	3.50	469		23	83	-728	-.08	-37	-52
07-09-63 1243697 4699185 5-73				46,82,87	20		14,265	3.60	514							
1456664 M V B A SKYHAWK CARMEN ACE....	41-01	164	1	7-41,45,	195	1.9	13,900	3.82	531		13	92	-603	+.22	+9	-11
07-18-63 1289574 4505884 5-73				46,82,87	15		14,576	3.58	522							
1456713 MAC SWAN EARL LAKEFIELD.....*		7	4	2-21,55	18	1.9	12,475	3.63	453		0	44	-774	+.04	-22	-41
09-21-63 1243697 3863452 5-73					22		14,232	3.55	505							
1456714 MAC SWAN DONNA LAKEFIELD.....*		7	5	1-21	14	1.5	13,584	3.48	473		**	33	-169	.00	-6	-10
11-09-63 1243697 5387663 5-73					22		14,066	3.50	493							
1456727 JERGENS JJ BURKE.....		1	25	1-41	25	2.6	13,275	3.39	450		13	27	-133	-.07	-15	-16
10-14-63 1416711 4800029 5-73					15		13,693	3.70	506							
1456746 KNOLLTOP AUDACIOUS MURRAY.....*		4	3	1-34	10	1.6	12,046	3.79	456		44	30	-603	+.06	-13	-29
10-16-63 1410978 3325549 9-72					34		14,001	3.57	500							
1456770 SKYKOMISH LEADER PRIDE.....		1	29	1-91	29	1.6	15,032	3.62	544		**	25	-366	-.03	-18	-26
09-04-62 1295803 3065701 9-72					12		16,723	3.76	629							
1456787 LAKE PARK SKYLINE LAD.....*		1	27	1-35	27	1.8	15,189	3.70	562		7	26	+287	.00	+11	+18
01-11-54 1244845 4483443 5-73					37		14,037	3.70	519							
1456833 CLADDRA DIVIDEND POSCH.....		1	13	1-41	13	2.8	16,416	3.42	561		17	25	+2	-.05	-7	-6
09-12-63 1411110 5203726 5-73					4		16,630	3.61	601							
1456853 NORTHCROFT REFLECTOR HOPE.....*		3	11	1-21	15	1.6	13,465	3.42	461		20	25	-512	-.03	-23	-34
11-16-63 1243697 5071583 5-73					23		15,606	3.58	559							
1456875 LEA INN FOND PERRY RM.....*		10	8	3-32,33,	28	2.0	12,560	3.82	480		21	46	-282	+.04	-4	-12
08-26-63 1415636 5351596 5-73				42	19		13,035	3.74	487							
1456878 MONIEJO LEADER HOPE MARK.....		2	8	2-42,74	10	1.0	12,191	3.81	464		0	20	-125	+.01	-3	-6
08-16-63 1243697 4712508 1-73					28		12,666	3.77	478							
1456945 FOND HOPE SUPREMACY.....*		8	50	3-23,33,	99	2.0	15,209	3.82	581		7	43	+635	+.03	+27	+41
05-23-63 1243697 5463C73 5-73				43	58		13,664	3.79	518							
1456970 LEO-BUR JUBILENT PRIDE.....*		4	15	1-34	20	1.7	13,639	3.68	502		0	29	-1	+.03	+4	+3
02-02-64 1365401 5494404 5-73					43		13,564	3.56	483							
1456992 FERTILE MEADOWS PRINCE ABC....		1	18	1-35	18	2.7	14,997	3.56	534		7	26	-10	-.04	-6	-5
11-12-63 1276654 5053816 5-73					2		15,113	3.74	565							
1457016 MISTER BENEFACTOR.....*		2	8	2-35,42	10	3.2	13,961	3.72	520		20	26	-175	+.03	-2	-7
10-26-62 1199324 4742336 5-73					25		14,673	3.63	533							
1457018 WHITREL IDEAL.....*		1	13	1-23	13	2.5	12,243	3.28	402		8	25	-272	-.02	-12	-18
11-08-63 129843C 3876303 5-73					15		13,231	3.39	449							
1457031 PABST A PRINCE.....*	35-03	85	2	7-21,33,	135	2.6	14,300	3.87	554		11	89	-312	+.14	+8	-3
11-05-63 1358647 4158999 5-73				35,43,74	21		14,682	3.73	548							
1457056 FANTASY SKYLIGHTER POLY ROYAL.		1	15	1-93	15	1.9	12,247	3.61	442		**	24	-127	.00	-4	-7
01-29-64 1359770 4346302 5-73					73		12,613	3.64	459							
1457081 WILBURHOLM MODEL FOB.....*		25	15	7-21,23,	95	1.8	15,227	3.43	523		18	65	+71	-.09	-10	-6
09-05-61 1148993 4227603 5-73				35,48,71	19		15,198	3.57	543							
1457101 EL-KATRINA POLLY OAISY.....		1	21	1-93	21	1.3	15,841	3.89	617		**	23	+160	.00	+6	+10
09-24-63 1384821 4749065 5-73					35		15,220	3.92	597							
1457169 GRENHOLM GOLDEN LEADER.....*		10	2	1-21	18	2.4	14,538	3.47	504		13	50	-170	-.05	-13	-16
11-25-63 1338593 5089753 5-73					18		14,931	3.58	534							
1457174 CACHE ACRES PEGASUS BEE INKA..*	91-13	14	13	4-81,91,	40	1.7	15,511	3.71	576		31	47	-180	+.07	+4	-2
01-04-64 1217639 5092042 5-73				92,93	74		16,066	3.56	572							
1457188 MO-CLEAR-SPRING GENERAL MAC...*		6	4	1-51	14	1.5	14,153	3.68	521		10	36	-21	-.02	-3	-3
08-22-63 1215402 5626768 1-73					30		14,194	3.77	535							
1457190 LSU REGY RAMBLER.....*		1	14	1-72	14	2.1	14,854	3.04	452		0	24	+97	-.07	-6	-2
11-07-63 975138 4260501 5-73					42		14,449	3.29	476							
1457318 ELLENVALE GYPSIE ABEKERK BOY.*		7	2	4-35,41,	13	2.8	16,766	3.78	633		0	44	+623	+.04	+28	+42
01-27-64 1277213 4202790 5-73				42,46	10		15,450	3.71	574							
1457368 PACLAMAR SUNSHINE MASTER.....*		7	7	4-41,43,	27	2.7	16,300	3.61	588		0	50	+712	+.02	+28	+45
01-10-64 1406271 4521313 5-73				46,84	23		14,918	3.57	532							
1457369 PACLAMAR SUNSHINE PERFECT.....	93-03	9	8	1-93	28	2.2	17,341	3.63	629		20	48	+164	.00	+7	+11
01-31-64 1406271 4814537 5-73					144		17,240	3.63	625							
1457473 WINDING GLEN DELIGHT IVANHOE..*	61-02	323	4	22-31,33,	661	1.9	14,530	3.48	505		15	97	-439	-.11	-31	-39
01-10-64 1189870 4510932 5-73				61,74,84	24		15,051	3.59	540							
1457479 DON DALE DEAN BUR HOMER.....*	21-10	31	1	2-13,21	32	2.6	15,746	3.51	552		13	68	+315	-.04	+6	+14
06-27-63 1140763 4038883 5-73					23		15,384	3.55	546							
1457487 MACHOLO PABST NOEL.....*		2	13	1-21	23	1.7	13,928	3.32	463		21	34	+101	-.05	-4	0
12-10-63 1315498 4607721 5-73					31		13,544	3.50	474							
1457511 COULTERHOME STYLEMASTER.....	35-75	29	2	11-21,23,	42	2.2	15,237	3.64	554		6	70	-309	+.04	-5	-13
01-10-64 1175471 4079777 5-73				31,41,93	106		15,822	3.58	567							
1457610 IDEOGRAPH ROBURKE FOLLOW ON...*		4	10	1-92	25	1.7	15,282	3.41	521		25	40	-215	-.01	-9	-14
12-12-63 1358623 4007947 5-73					11		15,983	3.44	550							
1457653 COOPER HILL PERSEUS LEADER....*		8	18	4-13,14,	35	2.3	14,749	3.71	547		13	39	-304	-.01	-12	-19
10-24-63 010260599 4865270 5-73				16,21	53		15,651	3.74	586							
1457680 ELLWAY STELLA PAT JACK.....*		3	31	1-41	35	2.4	12,184	3.76	458		15	30	-47	+.01	0	-1
07-04-63 1389269 3819805 5-73					18		12,115	3.74	453							
1457695 SILTEIN ROYAL SEGIS SKYLARK...*		2	18	1-93	28	1.6	15,912	3.54	563		**	32	-167	-.06	-14	-17
02-11-64 1252231 4121377 5-73					15		16,656	3.71	618							
1457729 FAIR HILL REFLECTION REX-TWIN.*		5	4	3-50,51,	10	1.9	14,585	3.75	547		0	30	+201	+.01	+8	+13
01-10-64 1282422 4215807 1-73				52	56		13,870	3.76	521							
1457738 CHURCH HILL MR GLENOON-TWIN...*		3	11	2-34,42	21	2.4	14,951	3.71	555		15	36	+155	+.03	+10	+13
06-14-63 1293580 3315166 5-73					12		14,535	3.64	529							
1457741 O-DEAN JUNIOR CLOYDALE.....*		2	20	1-31	22	2.2	13,859	3.63	503		0	27	-397	+.04	-9	-19
01-03-64 1299241 4317386 5-73					36		15,424	3.52	543							
1457833 WEHRMANA ROYAL TOP NTOCH.....		1	18	1-42	18	2.3	12,422	3.54	440		0	26	-331	+.03	-8	-17
10-14-63 1235329 5631604 5-73					6		13,638	3.43	468							
1457842 ELMVALE KING JASON.....*	21-10	47	1	2-13,21	50	2.8	15,511	3.55	550		14	78	+79	-.01	+2	+4
12-17-63 1215995 3883834 5-73					21		15,522	3.54	550							

REGISTRATION NUMBER	NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HO	STATES ND- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS HM/DAU	REC/DAU HERDMATE	MILK	%	FAT	% IST INC	% REPT	PREDICTED DIFFERENCES MILK	%	FAT	$$
1457845	ST CROIXCO REFLECTION SUPREME.	35-21	66	3	7-35,41,	100	2.4	15,598	3.60	561	18	84	+704	-.08	+14	+33
C5-09-63	1347065 4132764 5-73				42,43,47	18		14,831	3.70	547						
1457857	LEO-BUR JUBILENT POBJNHOOD.....*		3	6	1-34	14	1.8	14,899	3.75	559	29	32	-172	+.02	-4	-8
C2-19-64	1355401 4286780 5-73					32		15,554	3.73	580						
1457887	VISTA B F SKYWAY IKE.....*		7	28	4-41,42,	44	2.1	15,388	3.50	538	22	36	+141	.00	+5	+8
C7-19-53	1396885 5290175 5-73				43,72	12		15,061	3.49	526						
1457899	KETCHUM DEAN BOB.....		1	30	1-41	30	2.3	14,209	3.72	528	10	28	+100	+.04	+10	+11
C1-26-64	1415930 4810504 5-73					6		13,787	3.54	488						
1457909	ROSE-FRONT VICAR SENATOR.....*		2	7	1-31	13	2.5	17,740	3.59	637	**	32	+643	-.03	+19	+35
12-28-63	1304722 4275947 5-73					12		15,851	3.67	582						
1457932	COLLINS-CREST MAJESTY.....*	93-19	17	8	5-13,15,	57	2.2	17,127	3.37	577	11	66	+582	-.14	0	+18
C3-06-64	1252985 5594456 5-73				16,21,93	29		16,449	3.56	585						
1457934	COLLINS-CREST NORSTAR JET.....*		2	21	1-21	23	2.4	17,144	3.45	592	5	28	+227	-.04	+3	+9
C8-08-53	1424887 4120266 5-73					10		16,559	3.54	587						
1457947	QUIET ACRES GOVERNOR FRED.....		1	58	1-91	58	2.4	17,165	3.76	645	11	29	+125	+.04	+10	+12
11-08-63	1234023 4354408 5-73					170		17,000	3.66	623						
1457950	KEN VER NEIL COUNT ROYAL.....*		12	5	5-43,48,	28	2.0	16,413	3.55	582	13	53	+127	-.03	0	+4
07-06-63	1350414 3661136 5-73				73,74,93	24		16,368	3.60	590						
1457951	KEN VER NEIL CAREY SENATOR....		8	8	2-47,48	31	1.4	14,040	3.63	510	17	46	+162	-.01	+5	+9
C7-28-53	1352927 5416121 5-73					11		13,610	3.65	497						
1457959	WITE ORMSBY SEGIS.....*		1	12	1-23	12	2.5	11,682	3.69	431	10	23	-208	+.01	-6	-11
C9-13-53	1261743 4228373 5-73					6		12,372	3.69	456						
1457993	MAPLE PASS ANGEL IVANHOE.....*		17	3	3-43,71,	30	2.0	15,608	3.58	559	21	60	+135	+.04	+10	+12
11-29-63	1418353 4851572 5-73				73	10		15,493	3.51	544						
1458011	PINEYHILL VALOR.....*		8	5	2-91,93	15	2.1	16,390	3.58	586	20	38	-204	.00	-7	-12
C9-13-53	1295523 5358901 5-73					46		17,214	3.59	618						
1458063	GRASSYLANE CONFIDENT MASTER...	35-75	22	2	10-21,34,	27	2.1	16,486	3.51	579	21	61	+537	-.04	+14	+28
C2-20-54	967873 4322668 5-73				41,52,93	48		15,745	3.56	560						
1458079	ROCK RIVER PACESETTER.....		1	19	1-42	19	2.7	14,100	3.43	483	0	27	-48	.00	-2	-3
03-05-54	1392106 4636634 5-73					12		14,271	3.43	490						
1458102	HILLOCK XX COMET KING.....*		5	13	1-35	33	2.3	13,648	4.32	590	17	44	-792	+.20	-2	-26
C2-25-54	1378594 4519275 5-73					15		15,559	3.89	606						
1458112	ROCK RIVER RULER.....		1	14	1-42	14	1.4	12,631	3.45	436	**	22	-124	-.04	-10	-12
C3-10-64	1265166 5429973 5-73					3		13,080	3.69	483						
1458114	LECLAIR PEG ATHLONE PETER.....*		3	22	1-35	26	2.4	14,380	3.85	554	20	30	-227	-.04	-14	-18
C9-26-62	1210078 4405757 5-73					28		15,229	4.03	613						
1458117	FOREST-FARM SAD JACK.....*	21-10	51	1	3-13,21,	57	2.5	16,066	3.49	561	14	79	+599	-.08	+10	+26
01-09-64	1385978 4809372 5-73				22	21		15,407	3.58	552						
1458136	MACHOLO MACAP ROYAL BEA.....*		2	12	1-21	19	2.1	14,829	3.57	530	32	32	-124	.00	-4	-7
02-22-64	1200082 3603776 5-73					38		15,308	3.57	547						
1458139	FLYNN FIELD MARLO PRIME.....*		5	6	1-47	12	2.9	14,536	3.80	552	0	34	+44	+.04	+8	+8
C7-11-53	1213880 4627231 5-73					43		14,408	3.68	530						
1458145	SHADY GROVE ROYAL COUPON.....*		3	5	1-93	12	3.2	16,143	4.04	652	9	37	+583	+.08	+33	+45
12-05-63	1395837 5202488 5-73					34		14,587	3.89	568						
1458169	JOLIAM PRIDE ADMIRAL-TWIN.....*	35-21	3	16	1-35	20	2.7	17,546	3.73	654	6	30	+423	-.04	+10	+21
12-15-63	1237057 4276774 5-73					24		16,339	3.86	631						
1458175	JOLIAM ROYAL BLACK.....*		4	4	1-35	11	2.6	14,842	3.69	547	18	34	-240	-.06	-17	-21
C9-17-53	1305460 4891639 5-73					25		15,670	3.87	607						
1458185	ELLINGDALE DELIGHT P F JOE....*		6	5	3-33,34,	18	1.9	14,120	3.58	505	7	41	-325	-.06	-20	-26
10-31-53	1347065 4686523 5-73				35	11		14,956	3.74	560						
1458198	IONIA CRESTVALE MARKSMAN.....*		3	89	1-34	93	1.8	13,194	3.68	485	25	29	-4	+.03	+4	+3
C1-20-64	1351848 4783462 5-73					67		13,081	3.55	464						
1458213	RIVER INN REFLECTION SULTAN...*		11	1	1-93	11	2.8	17,514	3.59	628	0	44	+205	.00	+7	+12
C9-25-63	1295523 4842492 5-73					34		17,336	3.59	622						
1458219	GREEN MEADOW ROBIN HOOD.....		1	39	1-34	39	2.5	11,039	3.56	393	14	29	-101	.00	-3	-6
C9-01-53	1303180 3232005 5-73					22		11,064	3.58	396						
1458248	ROCKY-SIDE PETE-TWIN.....*		7	3	1-23	15	1.7	15,428	3.70	571	14	41	-432	+.03	-12	-23
01-24-64	1418976 4565685 5-73					15		16,719	3.65	611						
1458250	JETVIEW PRIDE SPARKY.....*		8	2	1-48	10	2.1	13,710	3.52	483	0	38	+36	-.02	-2	-1
10-12-53	1237057 4269073 9-72					11		13,527	3.61	488						
1458292	DIAMOND S SOVEREIGN KEY-TWIN..		3	59	1-93	63	1.8	12,896	3.36	433	45	29	-323	-.05	-19	-25
C8-24-63	1382958 3676108 5-73					70		13,992	3.57	500						
1458300	LAVACRES DICTATOR PRIMO.....*		4	19	1-93	24	1.7	13,910	3.39	471	0	29	-275	-.01	-12	-18
C4-30-53	1204163 4186647 5-73					31		14,928	3.47	518						
1458341	THE MEADOWS PILOT SUPREME.....*		1	19	1-42	19	2.0	12,207	3.63	443	25	25	+85	.00	+3	+5
01-25-64	1350137 4097467 5-73					5		11,579	3.64	422						
1458342	THE MEADOWS SIR COMET.....		1	11	1-42	11	1.8	14,230	3.71	528	38	22	-182	+.04	-1	-6
03-08-64	1070036 4848551 5-73					5		15,155	3.55	538						
1458351	MAYLEANNE FOND HOPE.....*		4	14	3-12,14,	27	2.8	14,373	3.92	564	0	40	-187	+.09	+6	-1
C8-17-63	1243697 5057128 5-73				16	40		14,894	3.71	553						
1458352	BURKGOV LAVACRES ROMAN.....	35-75	24	2	7-13,21,	32	2.7	16,092	3.57	574	14	68	+397	-.04	+9	+19
01-27-64	1244845 4331276 9-72				41,55,93	48		15,632	3.62	566						
1458382	GRASIT ROBURKE ORMSBY.....*		2	25	1-34	27	2.4	12,552	3.93	493	0	29	-352	+.09	0	-11
C1-05-63	1359899 4406591 5-73					4		13,724	3.58	491						
1458404	FLETTDALE SOVEREIGN SUPERIOR..*	21-10	140	3	7-11,12,	193	2.4	15,568	3.44	536	9	91	+37	-.13	-17	-13
C9-25-63	01D229203 D11312081 5-73				13,21,23	24		15,654	3.58	560						
1458405	MAYTAG SUNNY MASTER.....*		2	20	1-42	30	2.5	15,434	3.40	524	11	35	-51	-.04	-8	-8
11-16-53	1305460 3877267 5-73					36		15,715	3.51	552						
1458409	MAYTAG DE LUXE DICTATOR.....		1	13	1-42	13	2.1	12,873	3.70	476	**	23	-542	+.03	-15	-29
C1-22-64	1303077 4257734 1-73					10		15,281	3.57	546						
1458425	FROSTHOLM SENATOR MILLARO.....		1	19	1-41	19	1.6	12,286	3.89	478	58	23	-359	+.04	-7	-17
10-03-62	1376402 4649227 5-73					13		13,767	3.73	513						
1458453	VICTOR ORMSBY LEADER.....		1	30	1-41	30	2.5	12,458	3.79	472	11	28	-380	+.08	-2	-13
10-29-53	1216957 4651506 5-73					3		13,767	3.47	478						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HO	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS HM/DAU	REC/DAU HERDMATE	MILK	%	FAT	1ST LACT %	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1458476 HILLSET PONTIAC SKYCHIEF.....*		3	24	2-42,43	26	2.3	12,889	3.55	458	6	30	-131	.00	-5	-8
12-18-63 1397752 5371321 5-73					13		13,214	3.58	473						
1458480 BO-NO CONCENTRATE JULIA PRIM..*	91-13	16	31	3-91,92,	72	1.8	17,535	3.31	581	20	45	-75	-.09	-15	-15
10-27-63 1098656 4506693 5-73				93	40		18,071	3.48	628						
1458484 VERPANA FARM ROYAL OEAN.....*	35-05	6	7	2-23,35	22	1.8	13,425	3.73	501	6	40	-685	+.02	-22	-39
C1-26-64 1404878 4981714 5-73					15		15,205	3.70	563						
1458552 DOLLY ADMIRAL JACK.....*		3	7	1-23	14	2.2	13,960	3.42	478	10	33	+168	-.09	-7	-1
C6-22-63 1237057 3892739 5-73					17		13,344	3.74	499						
1458557 WILFARMS ROYAL MASTER.....*		3	10	1-34	14	1.7	12,613	3.52	444	15	26	-352	-.02	-16	-24
C1-04-64 1380945 4286539 5-73					34		13,924	3.65	508						
1458569 RWJS RAVEN LORENZO.....		2	25	1-93	27	2.3	17,232	3.57	615	11	28	-44	-.01	-3	-4
09-27-63 133D936 3814078 5-73					94		17,725	3.61	640						
1458609 OIAMOND S SOVEREIGN CARR.....*		9	17	2-87,93	60	1.5	16,596	3.68	610	4	51	-320	+.08	0	-10
09-29-63 1382958 4806326 1-73					102		17,547	3.54	621						
1458612 DIAMOND S SOVEREIGN CAL-TWIN..*		8	2	2-35,93	11	1.7	17,266	3.30	570	0	37	-53	-.11	-17	-16
11-09-63 1382958 390373D 5-73					67		17,748	3.55	630						
1458618 RENSINK LADY PILOT.....		1	24	1-42	24	2.0	14,240	3.50	499	14	26	-29	+.01	0	-1
02-28-64 1414027 5528825 5-73					4		14,354	3.49	501						
1458685 MCCAWHOLME WAYNE DUKE.....*		5	13	1-31	23	1.6	15,124	3.62	547	20	32	-240	+.01	-7	-13
C7-14-62 010237136 D11068120 5-73					26		16,036	3.59	576						
1458728 ECRASO WORTHY MASTER.....	31-07	105	3	8-31,33,	164	2.1	15,738	3.52	553	13	89	+482	-.13	-2	+13
1D-28-63 1124780 3524177 5-73				52,74,81	23		15,255	3.67	560						
1458735 ROCKCO CHARIDTEER JACK.....*		2	9	1-12	12	3.3	14,139	3.65	516	8	29	-317	.00	-12	-19
04-28-63 1254887 5232835 5-73					42		15,313	3.68	563						
1458744 PACLAMAR ASTRONAUT.....*	33-03	2,223	5	47-21,23,	4,964	1.7	16,220	3.60	584	10	99	+1,120	-.02	+37	+64
C1-19-64 1252985 41415D7 5-73				35,48,51	26		15,171	3.63	550						
1458758 ELMOKA GRANDIER OLE.....	35-21	49	2	5-31,35,	67	2.2	14,086	3.66	515	16	79	-123	-.03	-9	-11
C3-07-64 1277619 3858510 5-73				41,42,47	17		14,227	3.72	529						
1458759 PRIDE ADMIRAL PRINCE.....		2	19	1-23	23	2.9	14,388	4.00	576	0	31	+18	+.05	+8	+7
09-23-63 1237057 5481234 5-73					10		14,321	3.86	555						
1458771 SOL-HIL SALLY ROSS.....*		2	17	1-23	19	2.3	14,323	3.41	489	0	28	+262	-.06	+1	+9
C3-24-64 1430265 5157354 5-73					9		13,268	3.64	483						
1458784 CHARHART TARA CAPTAIN BILL....		2	12	2-35,55	14	1.4	14,766	3.62	535	8	23	+114	-.02	+1	+4
C9-14-63 1144239 5164660 5-73					14		14,260	3.74	533						
1458793 MONANFRAN SIR ILEX.....*		2	13	1-21	20	1.7	13,475	3.32	448	11	31	-37	-.05	-8	-8
09-27-63 1213164 4585000 9-72					30		13,509	3.51	474						
1458808 STERK MAGIC BOB.....		2	29	1-93	31	1.7	18,156	3.76	682	11	27	-290	+.07	-1	-10
12-24-63 1253351 4836117 5-73					55		19,790	3.58	708						
1458917 HARBORCREST MILESTONE.....	34-01	149	4	3-31,32,	339	1.9	14,547	3.71	540	16	93	-137	+.11	+11	+5
C1-19-64 1D29659 5054916 9-72				34	18		14,729	3.59	529						
1458939 ZION MEADOWS OSBORNE DUKE.....*		5	14	3-50,51,	31	2.3	13,700	3.95	541	7	41	-673	+.13	-7	-26
C1-14-64 1189870 4545660 5-73				52	32		15,446	3.66	565						
1458966 E-STRICKLER MERRIT.....		1	15	1-48	15	1.0	14,047	3.66	514	**	20	+170	+.01	+7	+11
12-02-63 1388721 452D004 5-73					1		13,051	3.62	472						
1459001 FREEBAER I B M.....*		3	10	2-21,23	18	1.8	15,219	3.79	577	6	32	+46	+.09	+14	+13
12-23-63 1378594 3778413 5-73					84		15,154	3.54	536						
1459040 JERGENS JD HIGHCROFT.....		1	28	1-41	28	1.8	12,515	3.63	454	27	25	-367	-.03	-17	-25
03-07-64 1427872 5392124 5-73					23		13,915	3.78	526						
1459053 BURKE BELMONT GRAY VIEW.....*		5	6	2-23,35	16	2.1	13,923	3.45	480	**	37	-100	-.04	-10	-11
07-06-63 1244845 4888070 5-73					9		14,172	3.58	507						
1459089 MONCONY CHAL COUNT.....*		3	10	2-21,23	14	1.9	12,684	3.78	479	9	27	-103	-.01	-5	-7
01-08-64 1291499 5148632 5-73					20		12,924	3.86	499						
1459098 OINGLEY OELL SKOKIE R A-TWIN..	41-01	87	2	5-34,41,	122	2.0	16,929	3.50	593	12	87	+1,859	-.09	+53	+100
11-27-63 1199324 4385107 5-73				45,82,87	20		14,823	3.60	533						
1459121 GOVERNOR EDELWEISS NEPTUNE....		1	19	1-91	19	2.7	17,386	3.66	636	22	26	+382	-.01	+13	+22
C1-25-63 1234023 4549276 5-73					142		16,093	3.69	594						
1459203 EO-NEL BENNY BETTY CEOARSPRING		2	32	1-33	36	1.9	16,884	3.42	577	6	29	+411	-.06	+6	+17
10-02-63 1329249 5615234 5-73					9		15,560	3.59	559						
1459239 GREENLEA AUOACIOUS VICTOR.....		1	12	1-51	12	1.9	12,733	4.06	517	9	23	-91	+.03	+1	-2
11-03-63 1237747 5482223 5-73					6		12,999	3.94	512						
1459275 OELI SKOKIE OESIGN CRUSADER...		1	60	1-33	60	1.9	13,452	3.52	474	8	28	-237	+.03	-5	-11
02-09-64 1352967 4769673 5-73					9		14,305	3.45	494						
1459309 COLO SPRING RAY OUKE.....		2	8	1-35	10	1.7	13,745	3.54	486	30	23	-195	-.05	-14	-17
C1-11-64 1330987 5380114 1-73					24		14,643	3.79	555						
1459320 EL-ORD STAR MARLIN.....*		1	45	1-93	45	1.3	17,271	3.70	639	**	25	-243	+.03	-4	-11
02-16-64 1424203 4072809 1-73					77		18,674	3.61	675						
1459326 WIS PIONEER MAGISTRATE.....*		9	17	6-35,42,	38	2.1	14,092	3.83	540	19	42	+59	+.03	+6	+7
C1-16-64 1292880 4566771 5-73				43,65,74	26		13,903	3.79	527						
1459339 HICKORY FIELDS CHEM ANOY.....*	21-10	52	1	2-13,21	53	2.7	16,529	3.50	578	13	79	+848	-.08	+19	+41
12-28-63 1049547 4585203 5-73					20		15,568	3.58	557						
1459345 CLARK-HO DUSTY CREAMELLE.....*		5	27	2-35,65	36	2.3	14,560	3.51	511	11	34	-187	.00	-7	-11
C1-06-64 1314767 4223621 5-73					28		15,203	3.53	537						
1459376 PIONEER LEADER BENEFACTOR.....*		2	15	1-21	17	2.6	13,868	3.59	498	**	28	+32	+.02	+4	+4
06-03-63 1199324 5041958 5-73					10		13,680	3.51	480						
1459399 OISTINCTION ROCKY BUTTER BOY..*		5	7	3-21,35,	14	2.4	13,748	3.42	470	0	33	+58	-.06	-6	-3
12-17-63 1368957 4564214 5-73				73	9		13,482	3.61	487						
1459451 OIAMOND J DUSTY DECORATION....*		1	38	1-93	38	2.6	15,343	3.56	546	6	29	-125	+.01	-3	-6
12-20-63 1205185 3257083 5-73					126		15,929	3.55	566						
1459453 YARBA IVANHOE EMPEROR.....		2	54	1-93	60	1.6	18,971	3.58	679	5	28	+438	-.04	+10	+21
12-30-63 1289173 4975476 5-73					183		17,765	3.69	656						
1459457 ROSE VEGA CITATION COUNT.....*		18	40	3-23,32,	77	2.2	16,578	3.48	577	11	42	+407	-.07	+5	+16
01-14-62 1492073 D11156728 5-73				51	18		15,754	3.62	571						
1459488 MARIKENS DAUNTLESS TY VIC.....		2	11	1-55	22	2.1	14,983	4.06	609	5	36	-248	+.17	+15	+5
09-22-63 1205850 3853387 5-73					17		15,819	3.62	573						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS	REC/DAU	HM/DAU	MILK	%	FAT	% 1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1459494 OUANE PIONEER.....*		10	2	1-35	15	2.2		12,594	3.93	495	18	46	-851	+.10	-17	-40
C4-23-64 1292880 3529334 5-73					16			14,460	3.71	536						
1459513 NUNESDALE MARK PERFORMER.....	93-19	12	20	5-34,63,	40	1.6		17,972	3.81	685	6	38	+101	+.02	+7	+9
01-07-64 1410237 5172935 5-73				82,91,93	61			18,078	3.77	682						
1459529 RO8A CHERRY8OLO OOUBLE LYON...*		2	11	2-23,35	13	2.0		15,374	3.40	523	0	25	+232	-.08	-4	+4
C1-31-64 1370633 5057279 5-73					16			14,453	3.76	544						
1459582 WEAVERS SOVEREIGN CHIEF.....	34-01	87	7	7-32,33,	132	2.0		14,042	3.54	497	17	87	-220	-.04	-13	-17
C7-07-63 010229203 011330410 5-73				34,52,87	37			14,285	3.59	513						
1459704 CREEK CURVE CARNATION MUTUAL..		1	19	1-32	19	2.4		14,386	3.88	558	8	26	+42	+.04	+7	+7
C2-16-64 1200082 4873173 5-73					12			14,207	3.76	534						
1459712 FOXLEASE ENDEAVOR.....*	35-05	141	2	11-35,41,	208	1.8		14,934	3.65	545	12	92	+37	-.02	-2	-1
C2-05-64 1189870 4231933 5-73				42,52,63	18			14,949	3.69	551						
1459740 BORDER PATROL.....	93-16	13	31	2-86,93	142	1.7		17,860	3.44	615	13	61	-35	-.05	-9	-8
C8-31-63 1397752 4379905 5-73					174			18,311	3.52	644						
1459754 OANMAC RAVEN MAOCAP DIAMOND...		1	20	1-48	20	1.4		11,136	3.73	415	**	22	-627	+.06	-14	-30
C1-14-64 1240549 5629262 5-73					1			13,915	3.46	481						
1459804 UNANGST TRIUNE REFLECTION.....*		1	10	1-22	10	1.8		14,572	3.58	522	33	21	-97	.00	-3	-5
12-17-63 1413714 3733276 5-73					30			15,106	3.60	544						
1459821 KING MAOCAP OEAN.....		2	56	1-93	70	1.4		18,774	3.71	697	9	31	-50	+.07	+8	+5
C3-18-64 1191921 4978049 5-73					57			19,448	3.53	686						
1459897 JAMARIE IVANHOE CROSS WEB.....*		5	4	1-51	10	2.6		14,058	3.71	522	0	32	-295	-.02	-13	-20
C2-04-64 1189870 4130537 1-73					30			15,060	3.79	571						
1459914 ST CROIXCO PRAIRIE MEL.....*		1	27	1-41	27	2.6		16,091	3.86	621	10	28	+15	+.06	+9	+8
C4-27-63 1291499 4527174 5-73					5			16,220	3.67	595						
1459935 A & E GRAY VIEW GEORGE.....*		1	14	1-34	14	2.9		18,231	3.46	630	8	26	+803	-.02	+26	+46
12-09-63 1244845 4496757 5-73					33			15,184	3.50	531						
1459936 BARMAH HARDEN GRANDIER.....*		21	3	4-33,35,	32	2.3		15,050	3.41	514	16	63	+468	-.11	0	+14
C1-05-62 1277619 4160492 5-73				61,85	90			14,306	3.61	516						
1459981 TUM-A-LUM SKYMIST MARK.....*		6	14	1-21	44	2.1		14,364	3.52	506	20	49	-477	-.08	-28	-37
11-29-63 1422087 4868861 5-73					35			15,441	3.68	569						
1459982 TUM-A-LUM AAGGIE PONTIAC.....*		8	5	3-15,16,	22	1.9		14,770	3.57	528	15	46	-286	-.01	-12	-19
C5-20-63 1391977 4477618 5-73				23	28			15,501	3.61	560						
1459984 TUM-A-LUM MISTERY WOOOY.....*		2	20	1-21	22	2.1		13,073	3.64	476	0	27	-176	+.04	0	-5
C6-25-63 1346121 4392088 5-73					33			13,663	3.48	475						
1460033 8AIRDLEA JEEN HOPE-TWIN.....*		12	1	2-16,21	14	1.6		13,107	3.59	471	33	44	-797	+.06	-21	-41
C5-04-64 1243697 4613430 5-73					12			14,960	3.48	520						
1460107 SUNKAREST ZU8A PONTIAC.....		1	16	1-34	16	1.8		13,720	3.72	511	7	24	+25	+.01	+3	+3
C1-09-64 1397752 4326599 5-73					3			13,526	3.66	495						
1460129 SEQUOIA EARL OF MARCREST.....		3	4	1-93	11	1.6		16,285	3.55	578	11	30	-436	.00	-16	-26
C1-28-64 1382958 5231821 1-73					35			18,109	3.57	647						
1460141 WILLOWLYN B B MASTER.....*		3	35	2-52,55	39	1.9		16,661	3.55	592	11	29	+294	-.03	+6	+14
C1-19-64 1372747 3432055 5-73					49			15,766	3.67	578						
1460146 BARTELS MAPLE L CONRAO.....*		5	5	2-45,46	13	1.9		14,197	3.75	532	27	34	-239	+.05	-1	-8
08-25-63 1377115 5286278 5-73					10			14,954	3.60	539						
1460191 WILLAROS RAG APPLE CASCADE.....*		3	17	1-35	22	2.0		17,405	3.58	623	**	29	+218	-.05	0	+7
10-14-63 1407128 4593181 5-73					16			16,908	3.76	635						
1460194 WILLAROS R A ROBURKE.....*		2	17	2-33,35	19	2.1		16,460	3.63	598	0	27	+94	+.02	+7	+9
C2-28-64 1407128 4808736 5-73					54			16,301	3.53	576						
1460219 CRESCENT BEAUTY CHARM-TWIN....*	33-03	25	6	13-21,35,	51	2.0		14,775	3.59	530	11	66	-134	-.02	-7	-10
C1-11-64 1380108 3398005 5-73				43,71,73	19			15,046	3.62	544						
1460222 HAWTHORN MAJESTY OON.....*		8	17	3-21,57,	31	1.6		16,015	3.03	486	9	35	+142	-.04	-1	+3
10-24-63 1293580 3931829 5-73				72	53			15,741	3.11	489						
1460235 SUSSEX ROYAL MASTER GOVERNOR..*		2	19	1-51	21	2.0		13,072	3.53	461	0	26	-92	-.05	-10	-11
12-16-63 1305460 3697982 5-73					15			13,315	3.76	500						
1460271 PABST IDEAL PRAIRIE.....*		3	25	3-31,35,	31	2.3		11,638	3.55	413	21	31	-333	-.01	-13	-21
01-13-64 1406548 4776794 5-73				55	11			12,550	3.59	451						
1460280 RUSSWICK HAPPY STAR SHAWN.....*		3	13	1-21	17	3.4		16,554	3.28	543	6	31	+395	-.05	+7	+18
12-31-63 1273237 4809886 5-73					33			15,384	3.37	519						
1460299 A B C AJAX COMMANDER.....*		2	12	2-31,52	14	1.9		17,094	3.45	589	14	25	+121	-.03	0	+4
11-26-63 1276654 4817051 5-73					20			16,853	3.57	602						
1460325 HERMAN BELLE PRIDE.....*		5	6	1-42	21	2.2		16,016	3.52	563	12	44	-214	-.02	-10	-15
C2-06-64 1237057 5333171 5-73					14			16,745	3.57	597						
1460332 TWIN TERRACE BELMONT CHEROKEE.*		2	8	2-41,47	10	2.2		14,916	3.63	542	0	24	+95	-.01	+2	+5
12-08-63 1390616 5185478 5-73					30			14,539	3.68	535						
1460366 BELFAGORE TEEBURG BILL.....*		1	18	1-21	18	1.7		11,918	3.62	431	0	24	-206	+.02	-4	-10
11-14-63 1379390 4642985 5-73					27			12,613	3.54	446						
1460393 MORRISDON FONO LUKE.....*		3	9	1-22	20	2.1		15,713	3.77	593	20	36	+41	+.02	+4	+5
05-27-64 1243697 5183459 5-73					22			15,734	3.75	590						
1460399 MELAMAR VALIANT PRINCE.....*	21-10	36	1	2-13,21	40	2.6		15,536	3.55	551	13	73	+359	.00	+13	+22
12-30-63 1245520 4513867 5-73					23			15,114	3.54	535						
1460411 CRESTON TRUSTWORTHY.....*		6	11	2-34,35	25	2.4		13,348	3.81	509	10	40	-581	+.05	-14	-29
C1-25-64 1246308 4663075 5-73					20			14,836	3.70	549						
1460412 CRESTON WOODMASTER.....*		1	19	1-34	19	1.7		11,606	3.90	429	**	24	-566	+.02	-17	-31
02-13-64 1121323 5031657 5-73					9			13,266	3.81	505						
1460413 SILVER LAKE MASTER OEAN.....		2	19	1-23	23	2.0		10,482	3.84	402	11	29	-546	+.07	-10	-25
C4-22-64 1380945 5300461 5-73					36			12,182	3.55	433						
1460433 BURKE CREATION.....*		2	7	2-35,61	14	2.6		12,653	3.63	459	8	34	-567	+.07	-11	-26
12-13-63 1280015 3827428 5-73					16			14,320	3.43	491						
1460446 HEDEGARD BONANZA KING.....		1	90	1-93	90	2.2		17,274	3.58	618	5	30	-32	+.03	+3	+1
01-26-64 1126307 5136034 5-73					47			17,718	3.48	616						
1460541 BUENA VISTA HABERKORN FRONTIER*		1	11	1-35	11	2.6		14,023	3.39	475	10	24	+73	-.05	-4	-1
C1-31-63 1292880 4372537 5-73					18			13,643	3.62	494						
1460542 STA-LEE SUPERIOR DIRECTOR.....*		1	12	1-51	12	1.0		10,391	3.83	398	**	19	-513	+.02	-16	-29
C3-29-64 1351333 3919866 5-73					12			13,018	3.74	487						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES AND- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS REC/DAU HM/DAU	HERDMATE	MILK	% FAT	FAT	% 1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1460566 WINTERTHUR IVANHOE EDEN SELECT*	23-09	189	3	13-15,23,	332	1.4	15,360	3.58	550	16	93	+76	-.08	-9	-5
11-22-63 1189870 3942447 5-73				50,51,52	24		15,377	3.67	565						
1460567 BREEZY GLEN IVANHOE FRITZ.....*		11	17	4-22,23,	41	2.2	14,882	3.53	526	8	44	+146	-.01	+4	+8
12-28-63 1189870 4305588 5-73				52,55	30		14,570	3.55	517						
1460582 UNH CHIEF BENNEDICK.....*		5	7	2-12,13	15	2.8	15,503	3.61	559	29	35	+2	.00	0	0
12-22-63 1397517 4668753 5-73					33		15,619	3.62	565						
1460607 CLOVERBROOK DUKE ROYAL.....*		3	7	2-41,42	18	2.1	14,573	3.77	549	39	37	-221	+.03	-4	-10
01-04-64 1415847 5492913 5-73					15		15,256	3.72	567						
1460621 SCHOHANNA CAPTAIN KID.....	35-75	22	1	8-21,35,	27	2.6	18,529	3.35	620	10	64	+1,244	-.17	+19	+53
01-01-64 1242163 4115480 5-73				41,55,93	80		16,823	3.55	598						
1460623 SENSATION PILOT ADANTHA.....*		5	6	3-13,21,	12	3.0	16,543	3.60	596	10	35	+397	-.02	+12	+22
11-18-63 1278644 4580267 5-73				41	17		15,505	3.65	566						
1460632 LAUREL-HEDGE MASTER BENNY.....	35-75	35	1	11-21,23,	38	2.6	15,137	3.55	538	6	72	+12	-.02	-2	-1
10-31-63 1191921 4312582 5-73				35,41,93	40		15,201	3.58	544						
1460712 EAST BRANCH G V COMMANDER.....*		1	10	1-35	10	2.4	15,488	3.81	590	13	22	-203	+.02	-7	-14
01-21-64 1378594 3655008 5-73					11		16,931	3.76	637						
1460717 VINTAH MAGIC.....		1	10	1-87	10	2.3	14,591	3.14	458	**	22	-62	-.03	-7	-8
07-19-63 1223970 4748296 5-73					2		14,933	3.31	494						
1460725 EL PAJARO BENBURKE.....	33-03	3	63	1-93	95	1.6	20,124	3.45	695	2	35	+967	-.03	+30	+54
02-11-64 1199324 4440469 5-73					116		17,707	3.51	621						
1460726 SOVEREIGN POND REFLECTION.....*		7	7	1-21	18	1.8	12,687	3.65	463	20	36	-716	+.01	-24	-41
03-10-64 1420020 4D74693 5-73					14		14,685	3.63	533						
1460761 LAVACRES REFLECTION PRESIDENT.*		5	9	2-86,93	16	2.0	18,783	3.51	659	14	31	+169	-.04	0	+5
05-24-64 1382958 4720458 5-73					127		16,670	3.63	677						
1460765 EXRANCO REFLECTION MAPLE.....	93-03	10	12	1-93	35	1.7	17,243	3.54	611	25	44	-35	-.03	-6	-6
07-25-63 D1D229512 5111763 5-73					163		17,652	3.61	638						
1460787 E M C DUBLIN IDEAL.....*		11	11	1-93	47	1.8	18,502	3.46	641	16	55	+780	-.05	+21	+41
01-20-64 1277613 5376040 5-73					56		17,369	3.52	612						
1460795 POND HOPE SUPREME.....*		5	6	1-23	15	2.0	12,324	3.59	443	45	34	-420	-.03	-19	-28
05-07-62 1243697 5463073 5-73					24		13,453	3.71	500						
1460798 ELLINGDALE ADVENTURER.....	35-75	16	1	11-32,34,	18	2.4	15,507	3.71	576	9	54	+187	+.06	+15	+18
02-29-64 1182696 4292482 5-73				35,42,93	40		15,244	3.61	551						
1460809 PAWNEE FARM MAN-O-WAR SUPREME.	35-21	30	2	5-35,41,	39	2.4	13,898	3.62	503	15	71	-248	.00	-9	-15
08-02-63 1347065 3922841 5-73				42,47,84	19		14,235	3.63	517						
1460810 PAWNEE FARM MAN-O-WAR VOYAGEUR	35-21	29	1	5-35,41,	32	2.0	14,020	3.50	491	12	67	-232	-.07	-18	-22
10-10-63 1210507 3922840 5-73				42,43,47	20		14,366	3.62	520						
1460864 ROWEGAL-STAR SUNBURKE JULETTA.*		4	11	1-35	26	1.8	12,020	3.69	444	5	38	-305	-.01	-13	-20
10-19-63 1314449 4514834 5-73					9		12,641	3.77	476						
1460894 ESPLIN MAGIC MAGISTRATE.....	87-01	18	1	5-41,81,	20	1.9	15,763	3.33	525	12	55	+415	-.11	-2	+11
11-14-63 1223970 4119439 5-73				82,87,93	21		15,072	3.52	531						
1460902 DAGES NC DONALD CREATOR ADAM..		1	37	1-31	37	2.4	17,068	3.35	572	17	28	+384	-.03	+9	+19
05-05-63 1227684 5251638 5-73					56		15,842	3.42	542						
1461022 HEERSCHE CAPTAIN PANSHO.....*		3	14	1-48	18	1.2	15,111	3.41	515	17	24	-63	-.03	-7	-8
07-30-63 1144239 4223227 5-73					21		15,483	3.57	553						
1461024 HEERSCHE SKYHAWK O BEAUTY.....*		2	20	1-48	28	1.7	14,856	3.60	535	13	31	-54	+.01	-1	-2
09-26-63 1289574 4045535 5-73					12		15,108	3.59	543						
1461058 BUOD IVANHOE LED.....*		2	23	1-23	25	2.2	14,433	3.74	540	14	27	-354	+.03	-9	-18
01-01-64 1420215 5283731 5-73					13		15,877	3.67	582						
1461109 RETTOP COPILOT.....*		3	7	1-11	12	1.8	12,707	3.53	448	60	28	-883	+.01	-31	-52
12-28-63 1287412 4676148 5-73					11		16,080	3.54	570						
1461114 CLOVERTOP PERSEUS KNIGHT.....*		1	46	1-51	46	2.7	15,513	3.58	556	7	30	+139	-.03	0	+4
02-17-64 D10260599 3740975 5-73					23		15,114	3.72	562						
1461122 RAY-LOU KRIS KRINGLE.....*		3	34	1-21	38	1.9	15,710	3.83	602	40	29	-313	+.08	0	-9
01-07-64 1378594 4112322 5-73					36		17,079	3.58	612						
1461128 ROCK-I RITA CAPITAINE JUAN....		3	10	1-33	10	1.4	13,665	4.32	591	**	28	-182	+.09	+5	-1
02-16-64 1431721 5552442 5-73					8		14,305	4.02	575						
1461129 COUNCIL ROCK PRIDE ADMIRAL....*		1	11	1-21	11	2.2	15,245	3.58	546	22	23	+89	-.02	+1	+4
01-10-64 1237057 4330412 5-73					16		14,905	3.66	545						
1461158 HOLTEX ORMSBY REFLECTOR.....		2	51	1-74	60	2.3	16,834	3.65	615	10	32	+63	+.01	+4	+5
11-13-63 1298831 4296983 5-73					104		16,887	3.62	612						
1461213 SIBU DEAN BURKGJV.....	21-10	87	2	7-11,12,	136	2.7	15,611	3.63	566	12	89	+564	-.04	+14	+29
06-18-63 1038509 3648989 5-73				13,14,16	25		15,041	3.68	554						
1461245 HAGEMANS ICHABOD CRISSCROSS...*		2	25	1-35	42	2.3	13,265	3.60	478	8	38	-94	.00	-3	-5
01-03-64 1378594 4204784 5-73					12		13,416	3.62	486						
1461266 PACLAMAR B E LEADER.....*		4	5	2-33,35	10	3.1	13,824	3.63	502	0	32	-280	-.02	-13	-19
03-03-64 1417390 4410789 5-73					27		14,750	3.72	549						
1461269 PACLAMAR ECHO EDSKO.....*		6	14	2-84,86	23	2.1	16,858	3.40	573	16	34	+401	-.02	+11	+21
04-30-64 1429821 5422866 5-73					23		15,805	3.44	543						
1461363 LEA-VISTA REFLECTION NEO.....*		2	26	1-23	28	2.5	13,892	3.71	515	0	29	+35	.00	+1	+2
09-28-62 1321903 3569681 5-73					39		13,704	3.72	510						
1461368 B D I ACE PAUL QUEST.....*		1	18	1-52	18	1.8	8,793	3.64	320	0	24	-285	+.01	-9	-16
01-27-64 1301172 4761113 5-73					12		9,490	3.60	342						
1461369 B D I SKOKIE PAUL LANCE.....*	21-10	39	2	7-12,13,	60	2.1	14,795	3.74	553	7	77	-20	+.06	+8	+6
05-15-64 1282185 4821869 5-73				14,16,51	23		14,870	3.67	545						
1461370 B D I QUIZ ANCHOR ANCEL.....*		6	27	2-51,52	51	1.9	16,907	3.66	619	18	40	-286	.00	-11	-18
05-16-64 1242816 5246558 5-73					29		17,982	3.68	662						
1461371 B D I TOGJS PRINCE LUCKY.....*		1	40	1-23	40	1.8	13,229	3.89	514	28	27	-263	+.07	0	-8
05-14-64 1181029 5246546 5-73					51		14,204	3.65	519						
1461404 SHER-MAR POND HOPE PEPCANO....*		3	18	1-21	23	2.2	15,204	3.74	569	13	31	-81	+.04	+3	0
01-26-64 1243697 4883747 5-73					32		15,591	3.62	565						
1461412 COCHRAN REFLECTION MARKSMAN...*		3	11	1-21	15	2.5	13,798	3.72	513	14	29	-285	+.03	-6	-14
03-11-64 1270143 4578249 5-73					21		14,839	3.63	539						
1461416 MI-KAY RICHMAN HOPE.....*		3	21	3-31,43,	25	1.7	11,611	3.62	420	9	28	-437	+.01	-14	-25
03-01-64 1243697 5470769 5-73				61	16		13,066	3.58	468						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS HM/DAU	REC/DAU HERDMATE	MILK	%	FAT	% FAT	IST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1461431 J-MD FOBES FRED.....		1	10	1-43	10	1.0	10,159	3.51	357	**	18	-438	+.02	-13	-24
C6-15-63 1283950 5057291 5-73					1		12,445	3.46	430						
1461450 MILMAY ROSNI CONQUEROR PABST..	35-75	25	2	9-21,34,	32	2.2	16,601	3.51	583	9	65	+771	-.07	+17	+37
C2-08-64 1296729 4471882 5-73				35,87,93	59		15,537	3.61	561						
1461461 CHAMBRIC TITATION FOND FELLA..*		4	43	1-32	59	2.2	15,992	3.62	579	11	35	+223	-.03	+3	+9
C3-06-64 1425137 5601659 5-73					20		15,455	3.73	576						
1461530 AUBER OEAN ORMSBY.....	35-75	33	1	13-21,23,	35	2.4	15,940	3.53	563	11	70	+425	-.04	+10	+21
C2-14-64 1085978 3608815 5-73				34,35,93	61		15,434	3.58	552						
1461546 NATHAN BELL WHIZ.....*		2	17	1-93	19	2.3	15,562	3.28	511	20	27	-257	-.04	-15	-20
C9-12-62 1144239 4437557 5-73					70		16,761	3.44	577						
1461558 RAVENGLEN ALFRED TRIUNE.....*		2	33	2-33,35	35	2.8	12,714	3.50	445	3	30	-50	-.02	-5	-6
C4-13-63 1370471 4502098 5-73					7		12,717	3.61	459						
1461564 LONDON DICTATOR SUPERIOR TOPAZ*		8	23	1-31	40	2.2	14,772	3.69	545	30	38	-480	+.02	-15	-27
C4-07-64 1305366 4810153 5-73					68		16,236	3.66	595						
1461571 ROSNI CONQUEROR KORNOYKE HALE.*		4	10	2-52,55	17	2.1	16,642	3.50	582	0	32	+411	-.05	+7	+18
C2-10-64 1296729 4101877 5-73					40		15,474	3.65	565						
1461578 FINEVIEW K B O P TONY.....	35-75	37	1	15-21,23,	49	2.4	15,908	3.72	592	7	75	+380	+.08	+25	+32
C3-24-64 842876 4392670 5-73				35,55,93	69		15,516	3.63	563						
1461592 KLEVER FOND DESIGN.....*		3	11	1-31	15	2.0	13,902	3.71	516	15	27	-215	+.02	-5	-11
C8-04-63 1243697 5065426 5-73					14		14,728	3.67	540						
1461595 LIME HOLLOW IVANHOE TOP-TWIN..	35-75	21	1	6-13,35,	25	2.2	14,531	3.52	512	35	60	-682	-.04	-30	-45
C2-29-64 1189870 4423890 5-73				55,91,93	103		15,611	3.59	568						
1461617 WAYNEDALE WORTHY ARISTOCRAT...*		1	11	1-41	11	2.0	11,809	3.66	432	30	22	-285	+.02	-7	-14
C6-26-63 1124780 3899171 5-73					20		12,967	3.56	462						
1461633 POPLAR BEND AUDACIOUS.....		1	13	1-35	13	3.4	11,816	3.98	470	17	26	-483	+.05	-10	-23
C3-15-62 1237747 4802841 1-73					7		13,639	3.77	514						
1461641 CROUSEDALES PIONEER.....*		5	7	1-55	15	3.2	15,509	3.56	552	0	37	-142	-.04	-11	-13
C5-23-63 1292880 4194679 5-73					23		16,060	3.69	593						
1461664 GREENVIEW GENE BUTCH.....*		4	11	2-21,22	18	2.4	16,765	3.42	574	6	33	+526	-.03	+14	+27
10-12-63 1403164 4811234 5-73					17		15,235	3.51	534						
1461718 MOUND FARM HOMESTEAD RUSTY....*		3	9	2-35,85	12	1.8	18,248	3.28	598	13	26	+401	-.08	+2	+14
C5-26-64 1324959 4191020 5-73					23		16,963	3.52	597						
1461740 HICKORYHILL SPAN HANK.....	21-10	34	1	5-13,14,	34	2.3	15,000	3.59	538	10	69	+41	+.02	+4	+5
12-19-63 1239886 4912779 5-73				21,23,74	27		15,002	3.55	533						
1461746 SOUTH BRANCH COMRE DUKE-TWIN..		4	20	1-41	34	2.3	13,564	4.09	555	10	38	-284	+.07	-1	-9
C3-25-64 1242338 4787462 5-73					11		14,310	3.94	564						
1461751 FLOWER CLIMAX ORMSBY CORONET..*		1	19	1-47	19	2.8	15,842	3.64	577	0	28	+177	-.01	+5	+9
C1-11-64 1406895 4301900 5-73					81		15,288	3.68	563						
1461827 SKOKIE FAMOUS COMMANDO.....*		5	13	1-32	33	2.3	14,217	3.65	519	10	44	-151	+.03	-1	-5
C1-02-64 1402755 5168305 5-73					13		14,584	3.60	525						
1461849 MARKANN LIGHTENING.....*		1	10	1-31	10	2.1	11,166	3.56	398	**	22	-117	+.01	-3	-6
C1-07-64 1406273 4840406 5-73					15		11,397	3.56	406						
1461858 HOOSIER SOVEREIGN JOYMAN.....*		1	23	1-32	23	2.5	14,478	3.78	547	26	26	-384	+.07	-4	-15
C8-11-63 1362410 4237395 5-73					6		16,110	3.56	573						
1461911 OIX X TORO.....*		1	47	1-35	47	1.6	13,498	3.68	497	22	26	-192	.00	-7	-12
C3-07-64 1419633 4975375 5-73					40		14,225	3.72	529						
1461937 HEATHERSTONE FAIRY GOLD.....*		8	7	2-12,35	20	2.0	14,538	3.76	546	28	41	-266	-.07	-19	-24
10-28-63 1331314 4923936 5-73					20		15,282	3.95	604						
1461939 TYLER FARMS GALLANT FASHION...*		1	14	1-12	14	2.6	18,284	3.67	671	17	25	+530	-.02	+16	+29
C3-02-64 1329588 3814798 5-73					17		16,344	3.77	616						
1461940 TYLER FARMS SENATOR.....*		6	16	3-13,16,	39	2.2	15,333	3.55	545	23	45	-342	-.08	-24	-30
C4-22-64 1252985 3742261 5-73				21	24		16,293	3.74	610						
1461984 ADMIRAL IMPERIAL CHIEF.....*	33-03	36	3	12-16,21,	52	1.4	16,540	3.47	574	8	68	+267	-.05	+3	+11
C1-10-64 1237057 5314124 5-73				23,31,34	17		16,341	3.52	576						
1462001 KEYSTONE IVANHOE JUNO.....*	35-05	19	14	5-11,13,	87	2.2	17,914	3.57	640	6	67	+801	-.12	+11	+33
12-23-63 1189870 4858997 5-73				16,23,51	27		16,975	3.75	636						
1462040 EDGEWOOD HALL ELSIE OSBORNDALE	93-03	4	25	2-88,93	32	2.3	18,291	3.72	681	3	32	+513	+.07	+29	+39
C1-10-64 1189870 4788638 5-73					37		16,943	3.53	598						
1462050 WILLOW FARM TIDY CHIEF MASTER.	21-10	32	2	4-11,13,	42	1.9	15,099	3.60	544	9	69	+122	-.02	+1	+5
C1-12-64 1397517 3923439 5-73				14,21	21		14,982	3.64	545						
1462061 EBONITE PIONEER WAYNE-TWIN....		2	5	1-23	10	2.2	14,710	3.78	556	25	29	-136	+.04	+1	-3
C3-25-64 1292860 4282982 5-73					19		15,273	3.63	555						
1462063 WINTERCREST FOND LUCK.....*		1	42	1-21	42	1.9	14,579	3.31	483	2	27	+21	-.07	-9	-7
09-31-63 1243697 3983167 5-73					15		14,514	3.60	522						
1462076 JOXLAND SKYLINER IOA CHECKER..*		1	10	1-13	10	1.8	12,416	3.37	418	10	21	+20	-.01	-1	0
02-22-64 1244645 4869940 5-73					38		12,088	3.47	419						
1462108 PIPER VIEW R A MAPLE OON.....*		3	10	2-23,35	14	2.6	15,615	3.48	544	10	29	+88	-.06	-6	-2
C4-01-64 1385436 3868507 5-73					17		15,417	3.72	573						
1462111 RIVERSTEAD ABC MY-AFTON.....*		11	7	3-35,61,	32	2.7	13,861	3.85	533	11	54	-217	+.03	-3	-9
C5-11-63 1331314 4425635 5-73				85	20		14,249	3.81	543						
1462115 LEWTAH SMOKEY BETH TRADITION..*		2	8	1-87	10	2.4	16,878	3.61	610	33	24	+153	-.04	0	+5
11-11-63 1355783 5394749 5-73					16		16,445	3.76	618						
1462141 EHRS POLLY ELDER.....		2	11	1-47	13	2.1	14,806	3.73	552	30	25	-149	+.04	0	-5
C8-16-63 1343088 3601613 5-73					9		15,518	3.61	560						
1462155 VISTA GRANDE HAVEN GALAXY.....*		2	10	1-21	13	2.5	16,373	3.95	646	0	29	-6	+.03	+4	+3
C3-02-64 1079658 3943023 5-73					24		16,622	3.87	643						
1462168 OUR BLACK DIAMOND.....*	35-05	334	4	16-33,34,	623	1.9	14,832	3.78	560	11	96	-139	+.08	+7	+2
10-28-63 1378594 5179452 5-73				35,41,42	19		15,042	3.70	556						
1462176 FRAN-LOU MAGICIAN.....*		15	19	2-21,23	58	2.0	16,945	3.20	542	12	50	+437	-.10	+1	+14
03-21-64 1395000 5411179 5-73					25		16,251	3.34	543						
1462187 TRUNLAN IVAN ROSE MAGICIAN....*		10	13	3-13,16,	29	2.2	17,718	3.83	679	14	41	+231	+.11	+25	+27
03-28-64 1403693 4126573 5-73				21	40		17,461	3.61	630						
1462196 NSH PARTNER ROBARTA STAR.....*		9	2	2-41,47	12	2.3	17,553	3.46	607	38	43	+958	-.09	+20	+45
02-11-64 1173577 4629637 5-73					34		15,412	3.67	565						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS HM/DAU	REC/DAU HEROMATE	MILK	% MILK	FAT %	% FAT	1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1462211 CHARL-WIN ROYAL BLENO.....*		1	56	1-32	56	2.5	13,014	3.46	450	6	30		+173	-.04	0	+5
09-18-63 1397752 5577551 5-73					26		12,221	3.61	441							
1462228 SAN QUENTINS HI HOPE PAT.....		1	28	1-93	28	2.0	17,109	3.43	586	**	27		+290	-.02	+7	+15
01-01-64 1250992 4549049 5-73					187		16,202	3.47	563							
1462250 SUN ACRES AOMIRAL JEWELED.....		1	23	1-91	23	2.5	15,708	3.57	561	0	28		+16	+.03	+5	+5
07-07-63 1237057 5349348 5-73					9		15,791	3.46	547							
1462299 PRETZ BURKE USEFUL BEST.....		2	57	1-48	61	1.5	11,280	3.72	420	3	28		-229	+.03	-4	-10
05-01-64 1415015 3912805 5-73					20		11,664	3.63	431							
1462314 EDGEMAR FIFTY NINER DELLA.....		2	10	1-93	13	1.2	16,947	3.68	624	9	23		-155	+.02	-3	-7
02-04-64 1356238 4924708 1-73					175		17,983	3.65	656							
1462361 S R F PECATONICA LON ROBURKE..*		5	20	2-35,42	30	1.6	16,334	3.55	580	14	32		+322	-.07	+1	+11
12-09-63 1237057 4868648 5-73					28		15,439	3.77	582							
1462362 PECATONICA JANSON NOEL REGAL..		1	38	1-35	38	1.8	13,926	3.72	518	11	27		-23	+.01	0	-1
01-13-64 1373055 3374537 5-73					11		13,975	3.71	518							
1462368 SIR SKOKIE P M PRINCE.....		1	34	1-32	34	2.6	13,417	3.61	485	3	29		+316	-.02	+8	+16
06-02-64 1214152 4247430 5-73					9		12,087	3.74	452							
1462419 FOUR KNOLLS SKY LU.....	35-75	35	1	10-21,23,	41	2.3	15,259	3.48	532	9	72		-116	-.10	-18	-18
07-02-64 1244845 3600314 5-73				35,41,55	46		15,547	3.61	562							
1462468 MAYERS DUKE PRINCESS SON.....*		24	17	7-23,31,	76	2.1	14,189	3.69	524	12	59		-885	.00	-32	-53
08-26-63 1293580 4386831 5-73				32,35,46	16		15,830	3.71	587							
1462521 CLEMSON JESS MISSILE.....*		2	15	1-56	26	2.5	13,184	3.81	502	23	36		-456	+.02	-14	-25
01-28-64 1216957 4431519 5-73					36		14,446	3.79	547							
1462537 TIERNEY BEV.....*		6	29	3-52,54,	38	2.3	15,158	3.67	557	8	34		-125	+.03	0	-4
03-04-64 1419662 5170121 5-73				63	48		15,660	3.60	563							
1462564 OUMBELLE SUPREME AOMIRAL.....*		1	15	1-23	15	3.0	16,716	3.57	596	7	26		+227	-.02	+5	+11
10-13-63 1237770 5633549 5-73					18		16,014	3.63	582							
1462586 LOBOJAMA SKOKIE GEORGE.....		4	3	2-23,52	10	1.5	15,538	3.35	520	11	31		+230	-.05	+1	+8
04-08-64 1288610 4279001 9-72					17		14,841	3.49	518							
1462595 BSH IRON LIEGE LAVACRES.....	35-21	61	2	5-35,41,	81	1.9	13,330	3.66	495	24	82		-704	.00	-25	-42
01-27-64 1291499 4982412 5-73				42,47,48	19		14,390	3.66	527							
1462596 BSH CLEM TEXAL LIEGE.....		1	34	1-47	34	2.0	14,130	3.64	514	15	27		+19	-.02	-2	-1
03-21-64 1300012 5086630 5-73					17		14,031	3.73	524							
1462599 SCOTTSCREST SUGAR MAN.....*		1	29	1-32	29	2.4	16,470	3.68	606	3	28		+94	+.02	+7	+9
01-03-64 1258673 4509741 5-73					13		16,326	3.61	589							
1462676 ROCK RIVER RAJAH.....		3	9	1-32	21	1.8	13,805	3.75	518	15	37		-295	-.02	-14	-20
06-20-64 1397752 4785621 1-73					19		14,633	3.85	564							
1462697 ESTEEM B F ECHO IKE-TWIN.....*		3	13	1-93	17	2.2	17,481	3.76	658	25	28		-26	+.01	0	-1
01-23-64 1434688 4921057 9-72					113		17,931	3.78	678							
1462721 ST CROIXCO GALE.....*	33-03	8	7	3-35,41,	24	2.7	17,346	3.60	625	5	46		+537	-.11	+3	+19
12-21-63 1411048 5337489 5-73				55	19		16,381	3.85	630							
1462723 ST CROIXCO SKY ROCKET.....	35-21	35	2	7-35,41,	46	2.4	15,317	3.56	545	3	73		+417	-.08	+3	+15
12-28-63 1419629 5518190 5-73				42,43,47	17		14,789	3.67	543							
1462727 ECHORIDGE DAISY LEADER.....		1	11	1-21	11	2.1	14,174	3.58	507	14	22		-84	-.01	-4	-6
03-18-64 1302994 4829122 5-73					19		14,570	3.63	529							
1462730 LANGVIEW RAG APPLE STAMPEDER..	91-13	32	12	5-82,87,	94	2.1	16,182	3.58	580	16	69		+398	.00	+14	+24
07-12-63 D10218036 D11243863 5-73				91,92,93	37		15,741	3.58	564							
1462757 AIR CREST GLENAFTON REVELATION*		8	13	1-35	28	2.1	14,595	3.74	546	12	39		+91	-.03	-1	+2
03-22-64 1035021 6001817 5-73					27		14,360	3.87	556							
1462768 SKOKIE CELEBRITY.....	33-03	403	4	34-21,23,	729	1.4	14,386	3.83	551	15	97		-666	+.21	+5	-16
10-19-63 1282185 3425213 1-73				35,41,93	28		15,153	3.62	549							
1462836 APACHE REFLECTION PAPOOSE.....*	33-03	60	37	22-21,23,	151	2.2	15,685	3.39	531	15	61		+225	-.06	0	+7
01-05-64 1459996 5750662 5-73				32,35,86	76		15,418	3.46	534							
1462852 DON AUGUR F M EUTOPIA-TWIN....*	35-05	10	21	5-23,33,	49	1.9	15,392	3.78	582	14	44		-56	+.04	+4	+2
07-22-63 1305460 4767302 5-73				35,41,82	11		15,648	3.70	579							
1462856 EASTHAVEN MUTUAL ONE.....		2	12	1-32	24	2.2	12,338	3.29	405	0	38		+220	-.03	+3	+9
05-09-64 1357090 5007972 5-73					30		11,427	3.36	384							
1462873 KODI MAX PEORO.....		6	49	1-93	116	1.8	17,782	3.63	645	7	47		-153	+.02	-2	-6
12-16-63 1382768 4467711 5-73					42		18,522	3.59	665							
1462948 CLEAR CREEK TOPPER BILLIE.....*		2	22	1-31	24	2.0	12,246	3.58	439	**	27		-429	+.02	-13	-24
10-16-63 1355462 4725277 5-73					50		13,757	3.55	488							
1462954 SABINA MAMIER DAINE.....*		1	13	1-11	13	2.5	12,627	3.67	464	0	25		-11	.00	0	0
03-16-64 1244185 4527534 9-72					59		12,486	3.72	464							
1462964 R A LOCHLAWN NEOMAN.....*		8	25	2-41,74	38	2.5	13,865	3.66	507	18	36		-409	+.01	-14	-24
09-05-62 1402113 3439514 5-73					10		15,079	3.66	552							
1462965 LOCHLAWN R A IMPERIAL.....*		5	15	1-41	31	3.0	15,637	4.00	626	0	42		+219	+.06	+17	+21
12-07-63 1402113 5480931 5-73					13		15,192	3.90	592							
1462967 LOCHLAWN R A LUSTER.....*		7	20	4-33,41,	37	2.4	13,774	3.64	502	11	40		-71	-.03	-7	-8
01-03-64 1402113 5273892 5-73				42,46	13		13,907	3.76	523							
1462980 WESTCREST AOMIRAL LANCER.....*		6	13	3-31,35,	34	1.8	13,858	3.68	510	31	42		-473	-.01	-18	-29
09-03-63 1080108 4586760 5-73				73	11		15,050	3.72	560							
1462985 REGALANO PIONEER SWEET BASIL..*		5	7	1-21	19	2.2	17,656	3.55	626	20	39		+475	+.01	+19	+30
07-25-63 1292880 4600856 5-73					8		16,666	3.50	583							
1463022 BREEZAC FOND GOLIATH.....*		2	29	1-21	31	1.7	14,420	3.56	513	6	27		-14	+.02	+3	+2
03-20-64 1243697 4948998 5-73					111		14,485	3.44	498							
1463024 COZY CORNER UNA VENTURE.....*		5	8	3-33,35,	21	1.6	15,934	3.69	588	5	37		+256	+.01	+10	+16
09-25-63 1314767 4383819 5-73				42	18		15,340	3.69	566							
1463035 GILESVIEW PRIDE AOMIRAL.....		5	22	1-42	32	1.8	12,487	3.48	435	17	33		-272	-.02	-13	-19
02-01-64 1237057 4944878 5-73					16		13,207	3.60	475							
1463040 OELSOO MOONBEAM AOMIRAL SAM...*		7	9	2-35,55	26	2.1	14,763	3.86	570	5	45		-17	+.07	+9	+7
02-01-64 1152351 4150754 5-73					16		14,830	3.72	552							
1463052 MAVIEW EXPLORER.....*		3	18	2-12,13	25	1.8	13,251	3.52	467	25	30		-139	-.03	-12	-16
01-01-64 1354243 4583751 5-73					19		13,861	3.66	508							
1463065 H & R LEE ROCKET.....*		6	7	3-31,34,	20	1.7	15,318	3.64	557	7	39		+121	+.03	+9	+11
12-13-63 1413165 4770468 5-73				61	23		15,073	3.56	536							

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS HM/DAU	REC/DAU HEROMATE	MILK	% MILK	FAT	% FAT	IST INC	REPT %	PREDICTED DIFFERENCES MILK	% MILK	FAT	% FAT
1463069 KINGSTEAD PONTIAC MONTVIC.....		4	6	1-52	13	2.1	12,448	3.51	437	0	33	-363	-.03	-18	-26
01-31-64 1397752 4722519 5-73					8		13,462	3.65	491						
1463073 WADDELL ROYAL BESS BURKE.....		1	48	1-35	48	2.4	13,819	3.75	518	11	29	-112	+.04	+1	-3
02-14-64 1383551 4098863 5-73					14		14,187	3.62	513						
1463105 SWEET BRIAR INKLE JOHN.....		1	17	1-52	17	2.2	13,390	3.55	475	21	25	+88	-.02	+1	+3
02-27-64 1223904 4483045 5-73					40		12,883	3.60	464						
1463107 SIR ADMIRAL ORMSBY FOBES.....*		1	35	1-35	35	1.7	12,144	3.26	396	14	26	+122	-.06	-4	0
12-28-63 1257764 3705003 5-73					29		11,374	3.55	404						
1463115 KODI PIONEER MERLE.....*		3	23	1-93	27	1.8	17,479	3.38	591	29	28	-39	-.04	-7	-7
03-12-64 1292880 5045919 5-73					101		17,978	3.52	632						
1463154 YOKOHL COUNT DEACON.....		1	35	1-93	35	2.5	20,432	3.10	634	3	28	+673	-.13	+5	+24
03-22-64 1297600 4371013 5-73					73		18,471	3.40	628						
1463159 LIME HOLLOW BURKDOV TRIUMPH...	31-07	78	2	5-31,32,	116	2.0	15,093	3.56	537	18	86	+471	-.04	+11	+23
12-10-63 1038509 4021635 5-73				33,34,52	19		14,562	3.61	525						
1463170 LIME HOLLOW PAL MAGIC.....		58	1	7-11,13,	68	2.3	14,991	3.78	566	10	81	-123	+.10	+10	+4
03-10-64 1395002 4979968 5-73				14,15,21	19		15,227	3.66	558						
1463175 COLD S U MAY-BEE.....	61-02	41	11	2-83,84	194	1.7	16,565	3.51	582	13	82	+447	.00	+16	+27
04-12-64 1243697 5104984 5-73					30		16,202	3.50	567						
1463179 HAYSSEN MASTER RINGO.....	91-11	50	1	14-21,23,	55	1.5	13,196	3.61	477	21	76	-923	-.01	-35	-57
05-19-64 1439357 4935706 5-73				32,35,42	16		14,416	3.64	525						
1463189 NORCLIFF ROBARON JEWEL.....*		5	7	2-86,93	16	1.1	15,918	3.07	488	**	31	-145	-.10	-19	-20
10-25-63 1313355 5188750 5-73					50		16,613	3.34	555						
1463196 LIFE-O-RILEY SKYTATION DESIRE.*		11	5	4-34,81,	25	2.2	15,373	3.53	542	13	50	+144	-.02	+2	+6
09-05-63 1395022 5594576 5-73				82,87	10		15,159	3.56	540						
1463197 MAPLEACRES LUCY LAIRD.....*		2	16	1-32	18	2.2	15,121	3.59	543	13	27	+264	-.04	+3	+10
11-30-63 1315718 3438534 5-73					9		14,116	3.78	533						
1463216 CARNATION HOMESTEAD POLYKNIGHT*	93-19	380	4	34-23,34,	709	1.6	14,754	3.66	540	16	97	0	+.03	+4	+3
05-18-64 1242221 4004375 5-73				35,41,42	22		14,795	3.64	538						
1463224 YONEO A B C SOVEREIGN.....*		6	13	4-21,32,	23	1.9	15,728	3.67	577	18	34	-174	+.03	-2	-7
05-09-64 1276654 4605902 5-73				34,41	34		16,443	3.61	594						
1463248 KNOLLSIDE SILVER C SAM.....		1	18	1-42	18	1.3	15,674	3.67	576	0	22	+5	+.03	+4	+3
04-01-64 1427763 4507376 9-72					9		15,792	3.55	561						
1463249 KNOLLSIDE REFLECTION ARLY.....*		5	21	3-41,45,	31	2.5	17,681	3.68	650	17	35	+206	.00	+7	+12
04-10-64 1347065 4855835 5-73				46	20		17,394	3.69	641						
1463255 OER-VAL LAD MAGICIAN.....		2	7	1-43	10	1.9	11,605	3.59	417	22	25	-286	+.02	-8	-15
04-09-64 1387097 5751717 5-73					24		12,560	3.54	445						
1463290 CHERRY RIDGE DIRECT CHARMER...*		3	20	2-23,31	25	2.0	14,235	3.68	524	13	30	-71	-.02	-5	-6
01-19-64 1271019 3857405 5-73					36		14,486	3.78	547						
1463312 MURFIELD SIBU JOE.....*		1	18	1-21	18	2.6	17,285	3.49	603	0	27	+21	+.01	+2	+2
06-11-64 1426490 5060077 5-73					41		17,521	3.46	606						
1463314 VALLA VISTA PLUTO.....	31-02	25	11	13-12,21,	97	2.0	15,473	3.47	537	13	72	+77	-.11	-13	-8
02-05-64 1243399 4911180 5-73				41,48,73	26		15,474	3.63	561						
1463351 BEDNARSKIS PRIDE MASTER.....*		1	21	1-23	21	2.5	15,201	3.53	536	25	27	+118	-.03	0	+4
01-13-64 1237057 4639063 5-73					13		14,800	3.63	537						
1463359 JERRY BELLE HONEYMAN.....		1	30	1-33	30	2.7	15,058	3.70	557	4	29	+140	-.01	+3	+7
12-08-63 1346613 5096976 5-73					25		14,391	3.76	549						
1463363 BAYLAND CRESCENT CHAMP BOLO...*		3	22	1-73	33	2.3	14,587	3.30	481	7	36	+24	-.02	-2	-1
07-09-63 1413753 4319040 5-73					12		14,534	3.34	485						
1463364 CRIPPLE CREEK MISTERY JIM.....		1	11	1-56	11	2.9	13,999	3.65	511	0	24	+33	+.01	+3	+3
04-16-64 1346121 4402603 5-73					15		13,807	3.59	496						
1463378 BIRDLAWN CHALLENGER PIRATE....		1	13	1-35	13	2.2	11,688	3.70	432	13	24	-189	.00	-7	-11
03-16-64 1419572 5554176 5-73					6		12,283	3.75	460						
1463385 PRAIRIEWAY RULER.....		2	12	1-33	14	1.6	11,267	3.55	400	42	23	-2	-.05	-7	-6
02-14-64 010260599 4369244 1-73					10		10,935	3.89	425						
1463468 DIBBLE TRIUNE CRUSADER.....*		4	3	2-35,63	10	2.0	13,894	3.69	513	29	33	-202	+.02	-4	-9
07-29-63 1402755 3941882 1-73					26		14,527	3.64	529						
1463494 HAHNS CRISSCROSS CHAMBRIC.....*		5	7	1-21	14	1.6	11,078	3.87	429	**	30	-559	+.08	-9	-24
02-03-64 1378594 526C143 5-73					10		12,804	3.57	457						
1463496 PRODUCERS DUSTY DEAN.....		2	21	1-93	42	1.8	17,023	3.54	602	21	39	-460	+.05	-9	-21
05-06-64 1191921 4867800 5-73					141		18,616	3.44	640						
1463524 LOUDEN HILL DENNIS.....*		3	14	1-23	18	1.4	13,844	3.45	477	36	26	+224	-.03	+4	+10
C1-03-64 010233528 5107704 5-73					158		12,806	3.55	454						
1463530 HILL HEIGHTS B B MART.....		3	13	2-50,51	20	1.5	17,254	3.72	642	33	29	+60	+.06	+11	+11
01-08-64 1122127 5220904 9-72					47		17,339	3.54	614						
1463537 CLANYARD DUKE SUSSEX.....*		4	9	2-33,74	20	2.3	14,596	3.55	518	0	39	+191	-.03	+3	+8
03-11-64 1293550 4247731 5-73					99		14,075	3.62	509						
1463592 HASBROUCKS HAVEN HAPPY BOY....*		5	11	1-23	25	1.9	12,994	3.67	477	29	39	-545	-.01	-24	-39
02-25-64 1079658 3692387 5-73					26		14,656	3.71	544						
1463643 EARLYWAY CRISSCROSS SKYLINE...*		9	8	4-32,33,	38	1.5	16,032	3.95	633	3	51	-33	+.15	+20	+15
03-20-64 1378594 5105638 5-73				35,73	15		16,288	3.70	603						
1463700 ZIMMERMAN OEAN STAR SIR.....*		2	16	2-21,31	18	2.4	15,556	3.66	569	0	27	-8	+.04	+5	+4
C1-03-64 1433539 5685228 5-73					6		15,722	3.54	556						
1463713 KING SADIE BURKE BARON.....		2	31	2-35,52	33	1.5	12,940	3.44	445	**	26	-152	-.02	-8	-11
06-09-64 1308796 4522687 1-73					5		13,433	3.55	477						
1463740 GREEN GOLD SIR RICHARD.....*		1	20	1-12	20	2.4	15,706	3.95	621	5	26	-39	+.06	+7	+5
02-01-64 1250992 4143498 5-73					45		16,022	3.76	602						
1463775 SALWIL ROBURKE DESIGN.....		2	15	1-35	27	1.4	14,971	3.50	524	69	33	+271	-.07	0	+8
06-12-64 1351933 4095438 5-73					3		14,117	3.71	524						
1463773 ROEFLORA REFLECTION RADIENT...*		3	10	2-22,52	21	2.6	13,399	3.70	496	21	39	-273	+.01	-9	-16
08-11-63 1413714 5420747 5-73					41		14,075	3.72	523						
1463784 HARRIS HILL FOND ANDY-TWIN....*		1	11	1-21	11	2.0	16,872	3.59	605	17	22	+296	-.02	+8	+16
12-29-63 1243697 4772304 5-73					21		15,624	3.67	573						
1463788 INKA MORRIS ACRES REFLECTION..*		1	44	1-34	44	1.7	18,322	3.09	566	8	27	+301	-.13	-8	+3
12-17-62 010260599 011229471 5-73					8		17,496	3.48	609						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS HM/DAU	REC/DAU HEROMATE	MILK	%	FAT	%	1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1463797 LIBERTYLAND RUBY GALLANT LAD..		1	11	1-35	11	3.3	16,220	3.61	586	10	25	+295	.00	+11	+18
01-11-64 1329588 4748900 5-73					29		15,100	3.62	546						
1463804 GLENAFTON RAG APPLE DYNAMO A..*		2	55	1-81	57	2.7	16,072	3.55	570	4	31	+120	-.06	-5	0
03-13-63 1243697 D11513341 5-73					23		15,822	3.78	598						
1463828 MOULTON MARINER R A CAESAR....*		2	20	1-54	24	1.5	10,188	3.74	381	35	27	-406	+.01	-13	-23
07-03-64 1372548 5198814 5-73					29		11,426	3.70	423						
1463838 PENN SPRINGS LEADER.....*		8	10	2-23,51	21	1.7	14,696	3.72	546	19	36	-144	.00	-5	-8
01-27-64 1292880 4546235 5-73					18		15,179	3.74	567						
1463860 ELMS COMMANDO.....	35-75	23	2	8-21,32,	31	2.2	15,439	3.70	571	24	65	-296	+.07	-1	-10
02-26-64 1181029 4763727 5-73				35,41,93	116		16,063	3.62	581						
1463885 ELLBANK ADMIRAL FUTURE HOPE...	21-10	63	1	7-11,12,	68	2.0	14,111	3.76	531	19	81	-728	+.08	-16	-35
03-12-64 1243697 4621940 5-73				13,14,16	23		15,080	3.69	556						
1463903 LAVACRES DICTATOR SHERMAN.....		2	17	1-93	29	2.0	16,600	3.47	576	12	35	-413	+.02	-12	-22
05-21-64 1204163 55D5D72 5-73					144		18,166	3.43	623						
1463926 AGMORE PROGRESS BENEFACTOR....		1	27	1-41	27	1.6	14,719	3.62	533	14	25	+115	-.01	+2	+5
04-13-64 1199324 4651331 5-73					4		14,240	3.69	526						
1463938 CAPTAIN ENSIGN MDD MEADOWS....		1	19	1-57	19	2.5	14,236	3.41	485	12	26	-16	-.01	-2	-2
02-16-64 1200082 5173375 5-73					20		14,289	3.45	493						
1463944 GORDONVALE SKY BDB.....		1	16	1-34	16	2.8	16,583	3.62	601	0	26	+362	-.01	+12	+21
04-14-64 1244845 5131269 5-73					22		15,299	3.65	559						
1463945 HULONG B SADIE GRAPHIC LAD....*		1	14	1-34	14	3.1	15,351	3.47	532	8	26	+191	-.03	+3	+8
C9-04-63 1320015 4685510 5-73					24		14,643	3.55	520						
1463954 WAL-VILLA BEA GALLANT.....*		1	11	1-33	11	2.4	14,076	3.35	472	**	23	+145	-.04	0	+4
C4-24-64 1329588 +3161D2 5-73					16		13,351	3.54	473						
1463982 HAEGMAN O B DIVIDEND.....*		5	6	1-48	24	1.5	13,115	3.68	483	22	45	-369	+.01	-12	-21
C2-05-64 1204163 4286378 5-73					13		13,887	3.69	512						
1463989 TIDY HILL ADMIRAL FOBES.....*		6	5	3-11,13,	15	1.5	12,946	3.65	473	**	35	-691	+.02	-22	-39
05-09-64 1282262 3837122 5-73				21	27		14,969	3.61	541						
1464033 LONE CEDAR VILLA ENSIGN.....*		3	6	1-87	11	2.4	14,076	3.35	472	**	23	+145	-.04	0	+4
C3-10-64 1200082 5387776 5-73					16		13,351	3.54	473						
1464040 ELK-KREST SEARS STEVADOR.....	35-75	21	1	10-23,35,	24	2.8	15,137	3.60	544	5	52	-269	+.02	-7	-14
01-23-64 1385978 4776467 5-73				55,91,93	52		15,672	3.59	562						
1464070 GRAY VIEW X OOMINO.....*		6	24	2-35,41	41	2.3	14,613	3.73	545	13	38	+26	-.01	0	+1
02-19-64 1378594 5717365 5-73					15		14,562	3.77	549						
1464084 POOJNQUE WALLIE ORMSBY.....*		3	9	1-21	12	1.9	13,409	3.51	473	**	26	-57	-.01	-4	-5
08-17-63 1296823 4036271 5-73					21		13,614	3.58	488						
1464088 COLRIDGE SKYLINER LARRY.....		1	47	1-84	47	1.2	15,452	3.00	463	**	24	+205	-.04	+2	+8
01-02-64 1244845 4895399 5-73					33		14,633	3.05	447						
1464102 BEAU MEDALLION TEXAL.....*		2	17	1-35	19	2.1	15,492	3.83	593	6	26	-28	-.06	-9	-8
07-23-64 1384256 5817563 5-73					12		15,735	4.08	642						
1464126 BOULDER GLEN PONDEROSA DAN....*		1	21	1-35	21	2.0	14,918	3.76	561	33	25	+17	+.01	+2	+2
01-26-64 1373055 4655162 5-73					6		14,902	3.74	558						
1464255 SANMARGALE FOND PLUTO.....*		3	25	1-31	47	1.9	15,290	3.56	544	11	40	+94	-.02	0	+3
01-06-64 1243697 3503625 5-73					44		15,125	3.62	547						
1464308 KNOX VIEW ARISTOCRAT KING.....*		3	13	2-31,64	23	2.0	16,617	3.51	584	0	34	+549	-.05	+12	+26
C6-11-64 1124780 4074747 5-73					27		15,080	3.66	552						
1464332 RUSTLING-BROOK TOB NOBLE.....*		5	22	1-31	34	1.8	14,979	3.77	564	4	34	+271	-.01	+8	+15
C7-01-64 1243697 4443536 5-73					32		14,159	3.83	542						
1464382 JO-JON DUSTY DUKE.....		2	41	1-93	43	1.8	17,313	3.79	656	**	28	-214	+.08	+4	-3
C4-02-64 1288610 4864562 5-73					89		18,495	3.54	655						
1464387 STAR SUMMIT MARS MASTER.....		1	26	1-34	26	2.5	15,863	3.74	594	8	28	+247	-.03	+5	+12
C4-11-64 1357170 4467584 5-73					11		15,031	3.88	583						
1464391 UNH YEOMAN LANCELOT.....*		2	22	2-12,14	24	1.8	15,546	3.65	568	18	27	+9	-.01	-1	-1
C8-03-64 1416113 5170387 9-72					20		15,638	3.72	581						
1464410 HOOSIER-DELL STYLEMASTER.....		1	15	1-32	15	3.1	14,247	3.68	524	0	26	+84	.00	+3	+5
C6-09-63 1216068 5231876 5-73					17		13,875	3.69	512						
1464416 GRAY VIEW X CRISTINO.....*		1	26	1-85	26	2.2	14,987	3.39	508	4	27	+205	-.02	+5	+10
02-26-64 1378594 4680793 5-73					62		14,193	3.43	487						
1464419 GRAY VIEW X CANDIED-TWIN.....*		5	14	1-34	30	2.1	16,033	3.50	561	15	40	+387	-.05	+6	+17
C4-07-64 1378594 4397183 5-73					24		15,151	3.62	548						
1464460 FAIRWOOD REFLECTOR DUKE.....*		2	24	1-23	26	1.9	14,310	3.84	549	21	27	-209	-.02	-10	-15
C8-06-63 1298430 5461652 5-73					34		15,173	3.94	598						
1464468 NORWESCOR MISTERY BUOD.....		1	14	1-31	14	2.2	15,131	3.86	584	7	24	-34	+.05	+6	+4
02-23-64 1346121 5373982 5-73					15		15,371	3.66	563						
1464495 LITTLEDAM MAVIEW KING.....*		6	7	3-11,12,	16	2.9	14,765	3.60	531	0	39	-9	.00	0	0
12-10-63 1390911 4769534 5-73				14	19		14,836	3.61	536						
1464508 GLAOCO POLYTECHNIC REROYAL JET	35-75	32	1	10-21,23,	42	2.5	15,824	3.51	555	16	73	+501	-.07	+8	+22
01-25-64 1192713 4694000 5-73				41,91,93	53		15,217	3.59	547						
1464509 ANOKASTAT MIKE IVANHOE-TWIN...	35-21	61	1	5-35,41,	72	2.1	14,322	3.57	512	17	82	-143	-.08	-16	-17
03-09-64 1189870 4273346 5-73				42,43,47	16		14,511	3.69	535						
1464510 ANOKASTAT PAT IVANHOE-TWIN....	35-21	82	2	6-34,35,	104	2.1	15,456	3.53	545	14	86	+942	-.10	+18	+43
C3-09-64 1189870 4273346 5-73				41,42,43	16		14,356	3.65	524						
1464530 FAIR HILL MARVEL.....*		2	21	1-51	23	2.1	13,157	3.89	512	24	27	-259	+.04	-3	-10
05-02-64 1397054 5187722 5-73					80		14,081	3.76	529						
1464542 CRACKERLAND ROYAL PRINCE X....*		1	18	1-57	18	1.6	13,682	3.87	530	22	23	-295	+.03	-7	-15
07-30-64 1277213 3800146 5-73					40		15,019	3.79	569						
1464559 MAR-RIDGE COLONEL TRIUNE.....*		4	17	1-48	30	1.8	13,061	3.82	499	22	35	-482	+.02	-15	-27
08-11-63 1297169 3479104 5-73					35		14,461	3.78	547						
1464587 ROBTHOM MYRNA VEEDICTION.....		4	10	1-43	15	1.7	15,686	3.40	533	11	28	+133	-.03	+1	+5
02-18-64 1210507 3585454 5-73					46		15,302	3.46	530						
1464588 TERHARK-ABBIE SENATOR MITCH...*		5	5	3-33,52,	11	2.0	14,254	3.52	502	9	31	-74	-.03	-7	-8
C1-30-64 1252985 5265164 5-73				64	17		14,511	3.66	531						
1464609 BOLO VENTURE ERIC DICK.....		2	13	2-13,41	15	2.4	14,047	3.74	525	0	26	-83	+.04	+3	0
02-14-64 1273756 4396374 5-73					17		14,364	3.56	512						

REGISTRATION NUMBER / NAME / DF / BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES WD- WITH MOST DAUS	DAUGHTERS AND HEROMATES: DAUS HM/DAU	REC/DAU HERDMATE	MILK	%	FAT	%	IST INC	REPT %	PREDICTED DIFFERENCES: MILK	%	FAT	$$
1464630 ZURCHER BURKE RAG APPLE LAD...*		10	12	2-33,42	31	2.2	13,682	3.43	469	36	44		-236	-.07	-18	-22
C3-09-63 1376698 4883290 5-73					11		14,204	3.60	511							
1464655 IKAN WHIRLWIND BURKE SAM.....*		2	8	1-63	10	2.5	11,150	3.53	394	0	25		-94	-.01	-5	-7
C7-11-54 1221226 4548990 1-73					52		11,211	3.64	408							
1464682 EERDEWELL SEARS FINEST TIOY...*		4	10	1-21	26	1.0	11,332	3.57	405	**	36		-732	+.03	-22	-40
C3-29-54 1385978 3780957 5-73					11		13,241	3.50	463							
1464703 MAYTAG IDEAL CRUSADER.....		2	11	1-42	13	1.6	12,815	3.72	477	23	24		+58	+.01	+3	+4
C7-06-64 1314925 3241700 5-73					7		12,367	3.71	459							
1464723 SACBROOK ROYAL DESIGN.....		1	31	1-43	31	1.1	11,677	3.62	423	**	23		-186	+.01	-5	-10
C2-16-64 1264447 4883028 5-73					10		12,287	3.61	443							
1464732 SPERRYVILLE DANDY INKLE.....		2	32	1-52	34	1.9	13,853	3.65	506	29	28		-167	+.03	-2	-7
C3-26-64 1223904 5263009 5-73					68		14,465	3.57	517							
1464743 RIVER VALLEY CLASSIC CLINTON..*		5	3	1-21	11	2.6	16,873	3.44	580	0	37		-137	.00	-5	-8
C3-31-54 1418796 4201127 5-73					21		17,563	3.45	606							
1464746 SIR DSBORNDALE PIEBE IVANHOE..*	31-07	10	11	4-23,33,	51	2.1	15,857	3.56	564	18	57		+539	-.02	+17	+30
12-05-63 1189870 5180041 5-73				52,55	48		14,975	3.58	536							
1464793 VOSSLER DALE IVA PEGASUS.....*		1	13	1-21	13	3.1	15,668	3.42	536	8	25		+4	-.04	-5	-4
C9-13-53 1217639 3979557 5-73					53		15,793	3.57	564							
1464801 FO-MA-TO-SA PROJO RULER.....		1	21	1-48	21	2.4	15,520	3.07	477	**	27		-46	-.07	-11	-10
C3-18-53 1237057 5071358 5-73					7		15,843	3.30	523							
1464809 M&F-BUXTON HOPE KING.....*		5	5	3-21,23,	20	1.7	12,735	3.90	497	**	42		-126	+.08	+7	+2
C3-07-54 1243597 5349800 5-73				31	17		12,883	3.69	475							
1464824 ZIMMERMAN LESTAR ROYAL TOP....*		2	34	1-41	36	2.4	13,171	3.56	469	9	29		-299	+.01	-9	-16
C8-22-53 1307857 3200845 5-73					13		14,179	3.53	501							
1464838 AMBERLEY BURLEY LAIRD.....*	35-75	7	19	3-33,35,	31	2.1	16,669	3.72	620	14	36		-50	+.06	+7	+4
C4-12-54 1142734 5063916 5-73				61	18		17,082	3.57	610							
1464839 ESPLIN BURKGOV PRIDE.....		2	13	2-82,87	15	1.6	11,676	3.39	396	0	24		-65	+.01	-1	-3
C1-18-54 1238509 4776317 1-73					16		11,676	3.37	393							
1464849 LUBEPT ADMIRAL LUKE.....*		6	8	4-12,13,	16	1.6	13,585	3.54	481	20	32		-312	-.02	-14	-21
C6-17-64 1237057 3703372 5-73				14,54	20		14,585	3.62	528							
1464880 W D T S MODEL ADORABLE.....*		2	11	1-73	14	2.4	14,407	3.35	482	8	28		-216	-.02	-11	-16
11-01-63 1237747 4233281 5-73					5		15,261	3.43	524							
1464901 ARLINDA CINDERS CHIEF.....*	33-03	62	5	20-23,32,	107	1.2	18,471	3.55	656	11	78		+1,454	-.03	+47	+83
C3-29-64 1427381 4997562 5-73				41,92,93	29		16,864	3.59	605							
1464902 ARLINDA CHIEF ROYAL.....	33-03	8	16	2-34,93	36	1.5	17,680	3.46	612	25	39		-83	-.01	-4	-6
C4-11-64 1427381 5144057 5-73					56		18,284	3.48	636							
1464904 ARLINDA CHIEF JULIETTE.....*	33-03	8	13	2-34,93	36	1.4	18,198	3.48	634	18	43		+293	-.07	+1	+10
C5-16-64 1427381 4458325 5-73					35		17,859	3.61	644							
1464924 COOPER HILL WAYNE EMINENT.....*		1	14	1-14	14	3.0	17,856	3.83	684	0	26		+502	+.05	+26	+37
03-23-54 010274514 4286238 5-73					42		16,120	3.68	593							
1464943 PACLAMAR SENATOR MASTIFF.....*		5	19	2-42,47	35	2.1	13,790	3.48	480	3	38		-102	-.04	-9	-10
C7-19-54 1252985 5029427 5-73					8		14,025	3.59	504							
1464948 PACLAMAR SUNSHINE POSCH.....*		2	21	1-84	34	1.3	12,335	3.52	434	13	32		-424	+.02	-13	-24
C8-28-54 1406271 3774816 5-73					81		13,578	3.49	474							
1464967 KANZA SKYBLEND KARL.....*	35-21	10	20	3-41,47,	35	2.2	16,396	3.59	589	9	38		+388	-.02	+11	+21
C1-24-54 1323989 4762910 5-73				48	18		15,478	3.64	564							
1464975 MAJR-LIND PORTRAIT ROLLO.....*		3	34	1-93	49	2.0	17,422	3.46	602	11	35		+27	-.06	-8	-6
C5-09-64 1419723 4144207 5-73					101		17,672	3.62	640							
1464992 MARGED WHITE RICHARD.....		1	30	1-42	30	1.5	11,465	3.80	436	29	25		-453	-.03	-20	-30
C5-22-64 1235329 4583262 5-73					10		13,183	3.94	519							
1465013 ZIMMERMAN TIOY STAR SCOTT.....*		3	7	1-32	16	1.8	13,965	3.90	544	0	34		-3	+.03	+4	+3
C4-01-64 1350676 4706635 5-73					23		13,932	3.83	533							
1465015 PUGET SOUND RENOWN.....		1	28	1-91	28	2.4	17,517	3.67	642	0	28		+487	-.02	+14	+26
C2-23-54 1343217 3410977 5-73					30		15,912	3.75	599							
1465095 CURTMAID BELLE BOY.....		1	34	1-93	34	2.0	18,424	3.76	692	**	27		-43	+.05	+5	+3
C2-13-64 1259069 5834745 5-73					218		19,052	3.63	692							
1465114 LEWAJOHN AUDIO.....		1	29	1-41	29	2.4	13,611	3.51	457	6	28		-8	.00	0	0
C1-07-53 1237747 4550849 5-73					9		12,895	3.50	451							
1465148 BARNEY KIL-BAR BONHEUR.....		1	17	1-41	17	1.4	9,569	4.21	403	**	22		-667	+.06	-16	-33
12-02-63 1222048 4525834 1-73					15		12,424	3.82	475							
1465149 HELT PIONEER PRINCE.....*		10	9	4-43,48,	23	1.8	13,307	3.67	488	10	39		-42	+.02	+2	0
10-17-53 1292880 4340536 5-73				73,74	23		13,310	3.60	479							
1465173 BO-LAN CAREY PAT.....		6	5	2-48,73	15	1.6	16,580	3.64	603	54	35		+603	.00	+21	+35
10-10-63 1352927 3554457 5-73					23		14,902	3.66	546							
1465181 ELMER BROOK PREMIER HOMESTEAD.*		6	8	2-35,42	20	2.4	13,929	3.58	499	0	41		-220	-.04	-13	-17
C3-19-64 1416811 4315956 5-73					12		14,484	3.70	536							
1465210 SANDYFLAT INKA K GENERAL JACK.*		9	13	2-21,23	43	2.1	13,526	3.81	515	25	50		-905	+.10	-19	-43
C1-11-54 1215402 4500570 5-73					20		15,444	3.62	559							
1465221 COOY MASTER IMPERIAL ROAMER...		2	13	1-74	17	1.7	10,878	3.26	355	7	26		-444	-.01	-18	-28
10-09-63 1410419 4896494 5-73					31		12,376	3.39	419							
1465248 MICHIGAN KING MAJOR.....*		1	12	1-34	12	2.5	19,961	3.25	648	0	24		+632	-.07	+13	+30
C6-23-53 1351821 5394029 5-73					39		17,656	3.41	602							
1465262 MIKE BURKE FORTY-NINER.....		1	21	1-41	21	2.1	13,349	3.49	466	25	26		+54	-.03	-2	0
01-17-64 1283917 4623138 5-73					6		12,997	3.64	473							
1465272 LOCUSTBEND MAOCAP HANSEL.....*		2	8	1-61	13	2.2	10,834	3.46	375	0	29		-532	-.01	-21	-33
10-29-53 1347623 4073849 5-73					10		12,468	3.54	441							
1465285 PINEHURST FOXLEASE MAPLE.....		1	24	1-52	24	1.1	16,786	3.37	566	17	22		+43	.00	+1	+2
C7-12-54 1444550 5597893 5-73					13		16,836	3.35	564							
1465299 GOLDEN HILLTOPPER CADILLAC....		4	15	2-11,16	20	2.3	11,427	3.71	424	22	30		-727	+.02	-24	-42
C8-24-53 1337752 4311379 5-73					35		13,777	3.67	506							
1465300 YOLADIN RAMBLER BEN.....	35-75	35	1	12-21,35,	39	2.2	15,429	3.62	558	17	71		-239	-.01	-10	-15
C6-23-54 975138 4116860 5-73				55,82,93	82		15,920	3.64	580							
1465302 ST CROIXCO SKY FLASH.....*		2	15	1-35	17	3.1	16,282	3.66	596	5	29		+587	-.01	+19	+33
03-04-64 1419529 3917667 5-73					31		14,244	3.72	530							

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS HM/DAU	REC/DAU HEROMATE	MILK	%	FAT	% IST INC	% REPT	PREDICTED DIFFERENCES MILK	%	FAT	$$
1465321 OANDEDAV SIR MODEL CREST.....*		2	19	1-31	21	2.1	15,258	3.65	557	7	27	-28	+.02	+2	+1
12-03-63 1406272 4655996 5-73					26		15,473	3.57	553						
1465343 RIEHLHOLM EONA BELLE BOY.....	35-75	22	1	7-21,23,	29	2.4	15,857	3.78	599	9	65	-110	+.12	+13	+7
C5-25-64 1259069 3172708 5-73				35,55,93	63		16,210	3.62	586						
1465377 PINE GROVE RAINBOW.....*		2	8	1-34	11	2.6	13,158	3.37	444	11	27	+16	-.01	-1	0
C4-15-64 1359009 5191088 5-73					14		12,957	3.42	443						
1465394 NAPSTAHOS WIS CAPTAIN ORMSBY..*		4	3	1-93	11	1.6	16,706	3.28	548	0	33	-201	-.11	-23	-25
C6-18-64 1144239 4428463 9-72					74		17,635	3.57	630						
1465400 PLEVKE CRUSADER IDEAL NICK....		2	24	1-41	26	2.7	15,050	3.67	552	15	29	+272	-.01	+9	+16
C1-25-64 1179373 4304461 5-73					29		14,085	3.71	523						
1465456 JOLIAM ROYAL MASTER BLACK.....*		4	6	2-35,65	12	1.9	14,615	3.62	529	0	31	-56	.00	-3	-4
D1-16-64 1305460 4112234 5-73					21		14,882	3.65	543						
1465464 GREEN PASTURES TRIUNE ROCKET..	31-07	101	2	9-31,33,	148	1.6	15,520	3.57	554	7	88	+84	-.06	-6	-2
03-27-64 010252803 2940399 5-73				35,74,85	25		15,539	3.65	567						
1465465 S R F GREEN PASTURES PONTIAC..*		5	21	3-32,33,	34	1.5	14,094	3.33	470	14	34	-78	-.03	-7	-8
05-15-64 1397752 3349179 5-73				35	27		14,322	3.43	491						
1465472 ELM RIDGE CELEBRITY TEMPEST...*		3	16	1-35	21	2.0	12,824	3.93	507	**	29	-521	+.03	-15	-28
11-25-63 1395838 4850296 5-73					8		14,651	3.87	567						
1465487 KINGSTEAD ROYAL PONTIAC.....*		12	11	3-23,55,	30	2.1	13,370	3.48	465	4	44	-242	.00	-9	-15
C7-03-64 1397752 4611299 5-73				56	28		13,876	3.50	485						
1465500 BATCHELDERS REFLECTOR EBONY...*		4	7	1-13	12	2.3	15,013	3.23	485	0	30	+72	-.07	-8	-4
03-05-64 1393217 3686339 5-73					17		14,817	3.48	516						
1465549 HARVEY OUKE SENATOR.....*		6	7	2-35,42	25	2.3	13,074	3.59	469	0	47	-331	+.01	-11	-19
C1-11-64 1293580 4396765 5-73					19		13,708	3.58	491						
1465551 PABST ROYAL LEADER-TWIN.....*		1	11	1-48	11	2.2	13,432	3.42	460	27	23	-203	-.03	-11	-15
07-13-64 1305450 4650658 5-73					74		14,334	3.57	512						
1465554 SRD TRANSMITTER KING.....*		3	40	1-74	44	1.9	14,027	3.30	463	3	29	-348	+.02	-10	-19
02-09-64 1154225 3993411 5-73					89		15,325	3.26	500						
1465590 TAMARIX CRISSMAN X.....*		4	15	2-82,87	31	2.0	14,224	3.43	488	15	39	-100	-.01	-5	-7
02-26-64 1378594 4790874 5-73					23		14,491	3.47	503						
1465608 NORTHCROFT SOVEREIGN CRISSY...*		2	15	1-21	17	2.8	14,630	3.65	534	6	28	-180	+.04	-1	-6
C2-23-64 1378594 4104684 5-73					46		15,370	3.53	543						
1465678 OARDICK PARAGON PRIDE.....*	35-05	30	2	6-33,35,	50	2.2	16,364	3.67	600	10	73	+1,021	-.02	+33	+58
C1-29-64 1413083 4938355 5-73				41,42,65	23		15,038	3.72	559						
1465714 BIG GREEN LIGHTNING-TWIN.....	35-75	24	2	9-21,23,	33	2.2	17,743	3.43	609	16	66	+908	-.13	+13	+38
03-21-64 1242163 3404646 5-73				35,55,93	87		16,591	3.60	598						
1465719 HICKORYRILL SEARS AOA CEDRIC..	21-10	41	1	2-13,21	44	2.5	15,326	3.64	558	11	75	+27	+.08	+12	+11
03-08-64 1385978 4040296 5-73					23		15,389	3.53	544						
1465720 REYNOLAND CHEMCO LAIRD.....	61-02	14	2	2-31,61	22	2.2	13,864	3.54	491	10	55	-502	+.03	-14	-27
C3-07-64 1049547 4034865 5-73					20		14,824	3.50	519						
1465725 KOECREST CULMINATION RAMROD...*		5	8	3-42,47,	21	1.8	14,973	3.34	500	29	39	+229	-.11	-8	0
11-01-63 1406686 5513550 5-73				48	38		14,376	3.64	524						
1465728 CLIFLOU WIS OSBORNOALE EMERSON	35-75	17	1	11-23,35,	21	2.6	15,392	3.51	540	11	58	+259	-.11	-7	+2
06-07-64 1273756 4294455 5-73				42,55,82	53		15,006	3.72	558						
1465754 TOP-O-THE-HILL IVANHOE WARRIOR*		9	5	2-14,16	21	2.4	17,078	3.69	631	33	46	+72	.00	+2	+4
04-02-64 1397517 4524120 5-73					22		17,203	3.71	638						
1465757 RAYMAU CHIEF BULLWINKLE.....*		7	18	2-11,13	47	2.0	16,053	3.70	594	9	45	-49	+.02	+1	-1
C7-12-64 1397517 3641086 5-73					37		16,368	3.67	601						
1465765 HAYSSEN OJR OREAMER.....*		10	3	5-11,12,	17	1.9	16,670	4.13	689	8	45	+181	+.24	+42	+40
07-11-64 1424208 4626213 5-73				13,15,42	21		16,474	3.67	605						
1465771 LILAC HILL GLAMOUR BOY ROBURKE*		2	28	1-35	30	1.9	16,542	3.61	597	4	28	+308	.00	+11	+18
C4-24-64 1282185 4778373 5-73					15		15,550	3.60	560						
1465801 U-MO FOBES THOR.....*		1	10	1-43	10	2.4	14,206	3.50	497	0	23	+52	-.01	0	+2
C1-16-64 1283950 4837350 5-73					22		13,935	3.57	497						
1465812 HOWCOJEL CANOIDATE.....		1	20	1-14	20	2.6	14,751	3.67	542	5	27	+158	-.02	+3	+7
C7-28-64 1241914 4816470 5-73					54		14,143	3.77	533						
1465841 CRESCENT BEAUTY TRANSMITTER...*		1	17	1-35	17	2.7	14,097	3.58	505	18	25	-63	-.01	-4	-5
01-13-64 1316533 5466414 5-73					13		14,340	3.67	526						
1465844 CLEARLINE WIS BUOO.....	35-75	32	2	11-35,41,	43	2.6	15,637	3.70	579	11	73	+60	+.03	+7	+8
08-03-64 1179372 4338724 5-73				52,55,91	40		15,684	3.67	575						
1465867 MAPOVAL FULL CROSS.....*		13	13	6-16,23,	42	2.1	15,804	3.78	598	12	50	+76	+.04	+8	+9
11-01-63 1378594 5068407 5-73				45,51,73	26		15,792	3.72	588						
1465868 MAPOVAL GENERAL OF THE ARMY...*		12	26	4-16,21,	55	2.1	15,620	3.75	594	11	43	-11	.00	0	0
C4-04-64 1378594 4713424 5-73				23,73	26		16,010	3.76	602						
1465912 STERK LENA CORONET.....		3	36	1-93	43	2.2	17,799	3.58	637	5	32	+39	-.04	-4	-2
C4-21-64 1215448 5267540 5-73					130		18,042	3.70	667						
1465913 STERK DUCHESS CORONET.....*		3	12	1-93	16	2.6	18,654	3.56	665	6	30	+82	-.02	0	+2
C5-20-64 1215448 3441882 5-73					139		18,618	3.63	684						
1465940 LINDAR OAKWOLD MOOSEHEART ART.		1	35	1-34	35	2.3	16,106	3.53	569	10	28	+555	-.07	+10	+25
03-18-64 1292880 4783268 5-73					16		14,111	3.78	534						
1465961 SKEE DEE POND CRAFTSMAN.....*		7	3	2-42,47	15	2.4	12,565	3.84	483	0	44	-245	+.06	-3	-7
10-08-63 1243697 5215507 5-73					10		12,982	3.71	482						
1465980 MAYERS PRINCE ARTHUR.....*	35-05	12	2	3-35,41,	17	2.3	15,691	3.71	582	6	52	+119	-.04	-1	+3
C6-04-64 1350699 3638099 5-73				42	20		15,582	3.81	594						
1465982 TUSSEY-VIEW IVANHOE.....*		1	28	1-23	28	2.0	13,805	3.64	503	19	26	-128	.00	-4	-7
C8-30-64 1292880 5388050 5-73					11		14,284	3.65	522						
1465987 FIL-MA-RO MASTER CARNATION....		2	9	1-34	15	1.8	16,369	3.40	557	**	29	+466	-.07	+7	+20
10-11-63 1136435 4451236 5-73					21		14,828	3.61	536						
1466006 WINTERCREST SUNSET.....*		2	20	2-13,21	22	2.1	14,784	3.48	515	27	27	-115	-.03	-9	-11
C3-01-64 1252985 3813482 5-73					43		15,304	3.63	555						
1466021 OXFORD HEIGHTS ATLAS JET.....*		2	9	1-16	11	2.2	16,275	3.84	625	9	25	-118	+.06	+4	0
07-02-64 1443217 5172910 5-73					31		17,625	3.64	619						
1466047 DEER LAKE SIR COMET OLIVER....	35-21	22	1	4-35,41,	26	1.9	14,114	3.78	533	24	61	+9	+.03	+4	+4
04-03-64 1370036 4504723 5-73				42,47	15		14,066	3.75	528						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	DAUS	REC/DAU HM/DAU	MILK HERDMATE	% MILK	FAT HERDMATE	% FAT	1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1466049 PUCHART HOMESTEAD DIGNITY.....		2	13	1-35	17	1.7	13,672	3.79	518	**	26		+246	-.01	+8	+14
09-01-53 12577o2 4781838 5-73					20		12,552	3.86	485							
1466059 FLOWER BROOK PREMIER BETTY....		1	15	1-41	15	2.3	13,847	3.45	478	**	25		+119	-.02	+2	+5
09-17-53 1472830 5201245 1-73					20		13,251	3.49	463							
1466074 MT PLEASANT SEARS ALCARTRA.....	35-21	25	2	3-35,41,	30	2.2	14,104	3.79	535	19	64		+255	+.07	+19	+23
01-05-53 1085978 4233631 5-73				42	16		13,630	3.70	504							
1466125 VONORE REFLECTION PRIDE.....		2	13	1-63	17	1.8	12,005	3.61	433	**	27		-554	+.04	-15	-29
03-27-54 1237057 5417478 5-73					14		14,053	3.47	488							
1466145 ARWYN CRISS X SENATOR.....*		2	19	2-35,47	21	2.0	14,470	3.80	550	11	27		-222	+.01	-6	-12
05-24-54 1378594 4725245 5-73					18		15,403	3.78	583							
1466179 TIDY BURKE TRANSMITTER.....	23-13	1o	8	5-48,51,	3C	2.1	18,415	3.38	623	7	62		+1,664	-.06	+51	+92
01-22-54 1271810 5041976 5-73				52,71,93	20		15,856	3.42	543							
1466180 TIDY BURKE PADRO.....*		5	12	3-43,48,	35	1.8	15,411	3.61	557	26	45		-58	+.01	-1	-3
02-16-54 1419755 5882104 5-73				74	25		15,670	3.61	565							
1466190 TAMARIX EBONY PRINCE.....*		7	4	1-82	20	1.5	16,211	3.10	502	32	43		+622	-.12	+4	+22
03-22-54 1237057 4658726 5-73					5		14,816	3.31	491							
1466206 MAYERS DUKE THUNDERBIRD.....*		2	14	1-73	27	2.3	15,563	3.91	608	3	38		+3	+.05	+7	+6
11-23-53 1293580 3603497 1-73					2C		15,683	3.81	597							
1466207 MAYERS MONARCH KING.....*		2	2C	1-35	40	2.4	12,909	3.90	504	8	41		-462	+.13	+1	-13
04-30-54 1395854 4725043 1-73					1C		13,987	3.57	500							
1466232 COCHRAN CORVETT DUTCHMAN.....*		1	17	1-21	17	2.0	14,C26	3.59	503	3	24		-59	+.01	3	-2
03-29-54 1416743 4304444 5-73					14		14,259	3.53	503							
1466233 COCHRAN B M REFLECTION.....*		23	4	4-16,21,	5C	1.3	15,342	3.53	541	9	o5		+125	-.07	-5	0
08-05-54 C1028310C 5018924 5-73				22,23	26		15,233	3.63	553							
1466243 TRINTER MERCEDES R A MISTERY..*		4	7	3-31,57,	13	2.4	15,739	3.39	533	17	33		+238	-.05	+1	+8
04-14-54 1346121 4285357 5-73				72	34		15,082	3.53	532							
1466265 NIEDERJOHNS POND GABE.....*		1	22	1-73	22	1.8	13,214	3.55	469	10	25		-201	+.03	-3	-9
07-17-54 1243697 4540053 5-73					18		13,994	3.45	483							
1466275 GREEN VALE P A ANTHONY.....*		5	16	1-34	33	1.8	17,118	3.66	626	0	38		+258	+.03	+14	+19
08-14-54 1434139 5713850 5-73					34		16,673	3.59	598							
1466290 TOM JAYCO GALLANT.....		2	35	1-32	37	2.6	14,503	3.64	528	15	30		-91	-.03	-7	-8
01-21-54 1329568 4603628 5-73					14		14,860	3.78	561							
1466295 F-V-F IVANHOE SAMPSON.....*		17	1	5-23,51,	21	2.0	15,185	3.89	591	20	55		+113	+.10	+19	+19
02-02-54 1189370 4819866 5-73				52,54,55	25		15,046	3.73	561							
1466308 SUNNYSPOT CHAMPION-TWIN.....	35-75	35	2	15-31,35,	49	2.7	15,C99	3.46	522	11	76		+68	-.10	-12	-8
07-19-54 957873 4376918 5-73				41,55,93	44		15,078	3.59	541							
1466309 SUNNYSPOT MASTER-TWIN.....	35-75	33	2	14-21,41,	43	2.1	16,024	3.45	553	20	72		+289	-.11	-5	+5
07-19-54 957873 4376918 5-73				55,91,93	61		15,758	3.59	566							
1466325 WOODSIDE FARM VICTOR BELLE.....*	21-1C	49	1	3-13,21,	51	2.5	15,412	3.50	539	9	78		-24	-.04	-6	-6
05-24-54 1136723 4612328 5-73				74	28		15,551	3.54	551							
1466334 MARTIN WINDYKNOLL.....		1	19	1-23	19	2.7	12,373	3.85	476	3	27		+46	+.09	+14	+13
04-11-54 1329568 5292406 5-73					12		11,957	3.46	414							
1466339 MEADVALLEY GENERAL DUNLOGGIN..*		1	18	1-23	18	3.1	12,300	4.20	516	**	27		-340	+.09	+1	-9
1C-26-52 1198084 4984137 5-73					12		13,478	3.79	511							
1466353 PALTZER PABST MECHTHILDE.....*		3	15	1-35	24	2.1	14,832	4.25	631	14	34		+186	+.08	+19	+21
04-30-54 1429382 4719473 5-73					9		14,274	4.07	581							
1466372 KUEHLCREST RAVEN DELL GENERAL.		1	13	1-42	13	1.7	14,C13	3.47	486	**	22		+33	-.01	3	+1
09-27-53 1373464 4898375 1-73					11		13,80C	3.51	484							
1466380 OAGES NC SEVEN CREATOR ANDY...*		4	22	1-31	32	1.8	16,385	3.28	537	6	33		+593	-.06	+12	+28
05-31-54 1283C79 5251638 5-73					42		14,615	3.41	498							
1466442 MADVALLEY SOUSE SUSA.....		1	22	1-41	22	3.1	14,080	3.53	497	6	28		+118	-.02	+2	+5
1C-10-52 1193498 5014302 9-72					12		13,583	3.59	487							
1466488 WILLINA NEPTUNE JOE.....*		2	17	1-91	19	1.6	15,536	3.70	575	13	25		-174	-.01	-7	-11
04-12-54 1335613 4227435 5-73					15		16,439	3.75	617							
1466504 RUSJA BENEFACTOR BLACK JACK...*		4	7	1-16	17	2.5	18,C5C	3.5C	631	5	39		+466	-.09	+4	+17
07-18-54 1179324 5347228 5-73					33		17,132	3.69	633							
1466511 SAKJJAC SHERRY RAMBLER ROBBIE.	21-10	59	2	4-11,13,	73	2.6	16,C69	3.56	572	6	81		+548	-.01	+18	+31
06-05-54 975138 4338193 5-73				16,21	23		15,501	3.57	553							
1466523 BONNIEREST PEAT GRANDIER.....	21-10	39	1	3-13,21,	40	2.2	14,261	3.46	493	27	72		-872	-.09	-43	-62
08-03-54 1277519 4533673 5-73				52	25		15,590	3.58	558							
1466531 SEQUOIA STAR VELLA.....		1	17	1-93	17	1.8	18,492	3.52	650	3	24		-11C	+.01	-3	-6
04-03-54 1274923 5286068 5-73					61		19,464	3.52	685							
1466538 RICH-HERD MAROUIS PEERLESS...*		3	20	1-84	24	1.6	15,968	3.65	583	22	27		-339	+.04	-6	-15
02-23-54 1432351 4672992 5-73					23		17,569	3.52	618							
1466542 RICH-HERD HIGHCROFT MAJOR.....*		3	11	2-82,87	24	2.6	14,720	3.4C	501	8	40		-145	-.01	-6	-9
10-07-52 1150470 4671003 5-73					14		15,155	3.42	518							
1466544 RICH-HERD TEXAL MAINSPOKE.....*		6	48	2-92,93	64	1.4	17,585	3.8C	668	4	31		-119	+.12	+13	+7
10-21-53 C1C2504804 5355851 5-73					94		18,356	3.48	639							
1466578 ROUND OAK PERSEUS EXECUTIVE...*		6	11	2-52,72	34	1.7	13,850	3.76	521	28	46		+65	.00	+2	+4
04-02-54 C102505C9 3757944 5-73					21		13,641	3.78	516							
1466579 ROUND OAK GAY OLYMPIAN.....		1	11	1-55	11	1.8	16,141	3.87	625	3	22		+519	+.05	+26	+37
04-10-54 1274924 4352884 9-72					5		13,689	3.70	506							
1466588 CARLIN BELL BOY.....*		3	23	1-48	28	2.7	12,762	3.57	455	12	32		+69	-.02	3	+2
04-01-54 1429926 4766023 5-73					12		12,339	3.64	449							
1466591 WISOF GENERAL JUPITER.....*		2	19	1-35	21	1.5	13,232	3.66	484	10	25		-118	-.01	-5	-8
07-26-54 1396266 4821349 5-73					41		13,628	3.76	513							
1466609 WOODLEDGE EXCEL BURKE-TWIN....*		7	15	2-52,55	43	2.4	15,886	3.48	553	7	49		-78	-.04	-8	-9
11-17-53 1223934 4686545 5-73					81		16,230	3.55	576							
1466636 CLAYACRES WAR STAR BOY.....*		5	12	1-34	2C	1.7	13,190	3.64	480	**	32		-499	+.03	-14	-27
1C-11-53 1363C10 5557746 5-73					12		14,793	3.58	529							
1466697 BUDD FARM DUPLICATOR ROYAL....*		1	15	1-34	15	1.7	13,812	3.28	453	3	23		+39	-.07	-9	-6
12-14-53 1391048 5317030 5-73					5		13,557	3.66	496							
1466721 MAYERS MONARCH PATHFINDER.....*		1	32	1-35	32	2.1	13,396	3.58	479	4	27		+677	+.02	+28	+43
07-02-54 1395854 5267648 5-73					25		10,508	3.42	359							

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS HM/DAU	REC/DAU HERDMATE	MILK	% FAT	LST FAT	% INC	REPT %	PREDICTED DIFFERENCES MILK	% FAT	$$
1466702 GREEN PASTURES IDEAL LAD.....	35-75	46	1	14-35,41,	56	2.4	14,961	3.64	545	13	78	-225	+.01	-7 -13
08-02-64 1122127 4251644 5-73				55,91,93	58		15,346	3.64	559					
1466703 ELMTREE PONTIAC STAR.....*		3	13	3-16,21,	17	2.1	14,733	3.59	529	25	28	-200	+.02	-5 -10
08-04-64 1397752 5573294 5-73	**			55	41		15,574	3.56	554					
1466714 WHITTIER-FARMS HI ROMEO.....		1	12	1-14	12	2.3	12,065	3.62	438	18	23	-475	.00	-17 -28
10-20-63 1250992 4792500 5-73					15		14,065	3.65	513					
1466745 OAKWOODCREST CHAMPION SUPREME.*		2	11	1-51	20	1.5	11,598	3.93	456	17	32	-357	+.04	-7 -17
08-27-64 1400997 5324105 5-73					21		12,551	3.79	476					
1466747 VALENTINE EL MINUTEMAN.....*	33-03	338	7	35-21,23,	550	1.2	16,021	3.63	581	12	94	+338	-.01	+10 +18
02-13-64 1302760 3574739 5-73				35,41,93	39		15,802	3.65	576					
1466757 TIHO APOLLO-TWIN.....*	31-02	24	11	11-13,23,	30	1.4	16,293	3.57	653	8	53	+870	-.04	+25 +47
09-07-64 1406271 4361907 5-73				34,84,93	30		16,893	3.64	615					
1466758 TIHO ATLAS-TWIN.....		1	19	1-84	19	2.4	13,852	3.41	473	11	26	-220	+.02	-5 -11
09-07-64 1406271 4361907 1-73					41		14,725	3.34	492					
1466765 WHITE PLAINS FOND GOLDEN.....		1	23	1-56	23	1.4	14,546	3.44	500	0	23	-214	.00	-8 -13
08-29-64 1243697 4135959 9-72					47		15,588	3.47	541					
1466797 ROMANDALE TABUR HIGHCROFT.....*		9	50	5-43,48,	70	1.9	13,222	3.68	487	30	34	-710	+.06	-17 -35
10-01-63 010265607 0112+8867 5-73				73,85,86	97		15,394	3.51	541					
1466798 TABUR ROYAL SHAMROCK.....*		12	3	3-43,48,	30	1.0	15,341	3.33	511	5	57	+46	-.12	-15 -11
09-09-63 010260599 3274591 5-73				93	31		15,356	3.53	542					
1466812 HOMO WIS BURKE MEMORY.....*	35-75	16	6	7-42,43,	30	2.2	16,318	3.56	581	14	54	+894	.00	+32 +53
02-06-64 1013415 5173798 5-73				48,71,74	22		14,689	3.55	521					
1466813 HOMO MISTERY FORTUNE.....		1	36	1-43	36	2.4	15,676	3.50	546	12	28	+147	-.04	0 +4
05-23-64 1346121 5173801 5-73					16		15,240	3.62	552					
1466841 POST RIDGE MASTER ARCHDUKE....*		1	10	1-23	10	1.4	13,255	3.57	473	**	20	-263	-.02	-12 -18
03-14-64 1382261 4395982 9-72					13		14,623	3.69	540					
1466862 POY SIPPI FOBES SKYBOY.....*		3	12	2-35,73	20	2.4	14,161	3.50	495	6	35	+32	-.04	-4 -2
04-13-64 1418023 3671285 5-73					19		14,031	3.62	508					
1466919 SHER-MAR A B C TRAMPIS.....*		2	14	1-21	18	1.9	16,411	3.55	654	44	27	+426	-.01	+14 +24
08-27-64 1420020 5843562 5-73					26		17,101	3.58	612					
1466929 ADOHR GOLDEN IRA.....		1	10	1-93	10	1.3	18,821	3.38	637	0	19	+98	.00	+3 +5
06-27-64 1215448 4006163 9-72					84		18,744	3.37	631					
1466939 WILLOW FARM MODEL.....*	35-05	179	2	15-11,33,	305	1.3	15,108	3.79	573	17	93	-37	+.07	+8 +5
04-01-64 1413083 4442098 5-73				35,41,42	21		15,233	3.74	570					
1466961 RAVENWOOD RUBY LAO.....	23-13	108	2	6-22,31,	163	2.4	14,545	3.67	534	13	80	+293	-.01	+9 +16
03-30-64 1122127 3688276 5-73				51,52,54	23		14,203	3.69	524					
1466974 PATCH FARM PILOT JULIAN.....*		17	2	7-11,13,	25	2.6	14,739	3.56	524	14	60	-119	-.03	-8 -10
02-23-64 1303347 4430936 5-73				14,16,22	19		14,998	3.61	542					
1466977 SHADY MEADOW KING EX.....*		3	16	2-21,31	20	2.4	12,545	3.68	462	5	29	-470	.00	-17 -28
11-09-63 1297400 4962005 5-73					11		14,119	3.70	522					
1467006 VALLA VISTA MATT VEEDICTION...	35-21	56	2	5-35,41,	79	2.0	15,870	3.64	577	22	52	+964	-.03	+31 +55
08-08-64 1210507 5190940 5-73				42,47,48	19		14,899	3.69	542					
1467024 SPARKER CINSY VENUS JOSH.....*		2	21	1-21	23	2.6	18,210	3.23	589	0	29	+592	-.05	+14 +29
10-05-64 1272896 4804463 5-73					26		16,372	3.31	542					
1467039 PENSTATE STAR BOY.....*	35-03	148	5	14-21,33,	361	1.8	14,561	3.87	564	19	93	-462	+.13	+2 -12
06-30-64 1410984 4657849 5-73				35,43,73	19		15,131	3.75	567					
1467063 COLO S U LUCKY.....*		4	4	1-82	11	2.0	13,922	3.56	495	**	33	-371	+.01	-12 -21
02-07-64 1243697 3007354 5-73					8		15,111	3.54	535					
1467115 WILFARMS CRISSCROSS JIM.....*		4	17	1-34	22	1.9	12,485	3.70	462	12	29	-391	+.04	-9 -19
06-15-64 1378594 4247567 5-73					16		13,775	3.59	494					
1467157 TARA-HILLS STYLEMASTER.....*	23-11	94	2	4-14,21,	120	1.7	13,403	3.88	520	24	87	-1,218	+.15	-24 -57
01-26-64 010241954 5274215 5-73				22,23	22		14,855	3.72	552					
1467163 MALLARY ROCKET BRIGADIER.....*	35-03	121	4	8-32,33,	248	1.1	15,159	3.81	577	14	90	+119	+.05	+11 +13
07-03-64 010275932 4635444 5-73				34,35,64	20		15,098	3.78	570					
1467167 BLISSFULL DELIGHT JERRY.....		1	10	1-35	10	1.0	15,149	3.86	584	0	18	-7	+.03	+4 +3
10-21-63 1243697 5189895 5-73					16		15,285	3.72	568					
1467178 ROYAL-PINE VAR BEAUTY.....*		2	9	1-48	11	2.3	17,920	3.57	639	35	25	+245	+.07	+19 +23
07-25-64 1240549 5183341 1-73					18		17,204	3.30	567					
1467206 GRIDAN HICKORY CREEK SKYLINER.*		1	11	1-35	11	2.6	16,916	3.28	554	0	24	+178	-.06	-2 +4
02-20-64 1244845 3804450 5-73					14		16,357	3.49	571					
1467211 UNH LAO LUSTER-TWIN.....*	21-10	17	2	4-11,12,	23	2.5	14,554	3.59	523	11	60	+49	-.05	-5 -3
06-18-64 1281479 3738828 5-73				13,14	20		14,481	3.69	534					
1467224 STERNDALE ROBURKE GRACE WILLIE		1	10	1-23	10	2.4	14,066	4.05	569	33	22	-187	+.06	+2 -4
03-24-64 1422095 3512360 5-73					15		14,988	3.78	566					
1467273 PENN-GATE ACE ARISTOCRAT.....*		3	12	3-23,55,	16	1.3	14,000	3.19	446	33	24	-52	-.03	-6 -6
09-04-64 1267389 5111277 9-72				73	26		14,197	3.30	468					
1467275 OUR FAMILY MAN.....*	33-03	16	47	12-21,23,	82	1.5	15,244	3.83	584	14	37	-283	+.01	-9 -16
07-29-64 1435720 4323166 5-73				32,33,42	49		16,185	3.84	622					
1467278 SKOKIE FRASER JEWEL.....*	33-03	368	3	30-21,23,	597	1.2	14,616	3.52	514	16	96	-306	-.11	-27 -31
12-25-63 1298610 4457020 1-73				31,35,41	23		14,995	3.64	546					
1467281 DICTATOR B F ESTEEM SKYWAY....		1	79	1-93	79	1.8	18,852	3.37	636	20	28	+116	-.01	+3 +6
02-20-64 1344345 4597345 5-73					145		18,887	3.37	637					
1467282 MERCEDES B F ECHO UNIQUE.....*	33-03	5	14	3-35,73,	23	1.9	15,509	3.55	550	26	33	+98	-.04	-2 +1
03-04-64 1404688 3941983 5-73				86	33		15,299	3.68	563					
1467291 DIAMOND J ORION ZEST.....*	93-19	6	19	1-93	45	2.2	18,485	3.63	671	2	45	+530	+.04	+25 +37
04-28-64 1397517 4982446 5-73					77		17,631	3.55	626					
1467293 DIAMOND J ORION ZEUS.....*	93-15	18	7	5-35,42,	40	1.5	16,656	3.64	606	11	55	+290	+.02	+13 +19
06-19-64 1397517 4044984 5-73				87,91,93	74		16,325	3.61	590					
1467339 SILVER ROCKET HARRY.....		1	19	1-23	19	2.7	14,158	3.88	550	0	27	-126	+.07	+6 +1
11-06-63 1153043 4256520 5-73					14		14,653	3.60	527					
1467363 SKYWAY PRIDE STAR.....*		22	2	5-35,41,	29	1.8	13,286	3.37	448	46	61	-116	-.08	-15 -16
08-06-64 1411631 5046480 5-73				42,46,47	11		13,376	3.51	469					
1467364 SKYWAY ARLINDA JEWEL.....*		6	18	1-93	28	2.0	19,678	3.83	753	25	34	+134	+.06	+13 +15
08-21-64 1411631 3941987 5-73					45		19,830	3.72	737					

REGISTRATION NUMBER / NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS	REC/DAU HM/DAU	HERDMATE MILK	HERDMATE %	HERDMATE FAT	% 1ST LACT	% REPT	PREDICTED DIFFERENCES MILK	PREDICTED DIFFERENCES %	PREDICTED DIFFERENCES FAT	PREDICTED DIFFERENCES $$
1467425 BROWNES BURKGOV GABRIEL.....*		5	3	1-11	12	2.0	16,080	3.41	549	18	37	+349	-.07	+2	+12
08-09-64 1038529 5386557 5-73					22		15,210	3.60	547						
1467429 STORCHAVEN RAG APPLE LUCIFER..*		1	17	1-23	17	2.7	12,918	3.57	461	5	27	-28	-.03	-5	-5
06-09-64 1329588 4763676 5-73					17		12,876	3.72	479						
1467457 CAL-CLARK POLY MARK.....	25-75	38	1	14-21,35,	44	2.3	15,795	3.70	585	26	74	+56	+.08	+13	+12
08-14-64 1222994 4173679 5-73				41,52,93	50		15,856	3.61	573						
1467479 TRAJNIK KAYTEE CHARM-TWIN.....*		6	14	2-41,46	24	2.2	15,833	3.37	534	15	35	+139	+.03	+9	+12
04-24-64 1296576 4372312 5-73					12		15,554	3.27	508						
1467481 DISTINCTION MARKEL PILOT.....*		1	11	1-35	11	2.4	12,169	3.93	478	17	23	-89	+.04	+2	-1
08-23-64 1429339 5647876 1-73					33		12,350	3.76	465						
1467533 MERIDALE ADMIRATION ONWARD....	21-10	32	1	3-13,21,	33	2.3	15,220	3.52	535	11	68	-144	-.02	-8	-11
08-23-64 1171458 4575808 5-73				74	22		15,547	3.55	552						
1467545 HORSE PEN HILL CHALLENGER.....	61-02	115	3	4-51,52,	198	2.0	14,001	3.61	506	8	91	-297	+.01	-10	-17
07-23-64 1291499 3869354 5-73				54,55	27		14,321	3.62	518						
1467552 MAN-O-WAR 8 F TRIUNE BING.....*		5	13	1-35	26	1.8	13,618	3.52	480	21	36	-220	.00	-8	-13
06-17-64 1326579 4201226 5-73					14		14,216	3.53	502						
1467564 ROSEBUCK 8 F BARON GYPSIE.....*		5	30	2-33,35	37	1.6	12,998	3.99	518	0	30	-447	+.08	-5	-18
08-03-64 1404567 4383165 5-73					29		14,519	3.72	540						
1467575 GORLIE MAX OWENS-TWIN.....*		2	19	1-56	21	2.1	15,247	3.40	518	7	27	+41	-.01	0	+1
07-08-64 13827&8 4&08C52 5-73					42		15,176	3.42	519						
1467591 COCHRAN CRISS.....*		21	2	4-16,21,	27	1.8	13,985	3.70	517	17	61	-1,096	+.08	-29	-57
07-14-64 1378594 3850895 5-73				23,35	21		15,952	3.58	571						
1467595 BILLVER OLIVER ROYAL.....		2	10	1-35	18	1.2	15,918	3.71	590	**	29	+140	+.03	+9	+12
07-10-64 1383551 4173854 1-73					3		15,555	3.63	564						
1467615 SESO ROAD NINA FORTY-NINER....*		2	10	2-23,87	12	2.8	17,512	3.43	601	11	26	+542	-.05	+12	+26
05-01-63 1233917 4256510 5-73					17		15,568	3.60	560						
1467619 SUGARLANE JUBILEE.....		4	4	1-52	10	1.5	14,030	3.69	518	13	30	+182	+.02	+9	+13
07-30-64 1291498 4900537 9-72					19		13,307	3.64	484						
1467630 CHASES-SIDE KING ADMIRAL.....*		3	12	1-21	16	1.8	18,103	3.37	610	0	27	+500	-.03	+14	+27
07-02-64 1237057 4190317 5-73					32		16,419	3.43	563						
1467649 VOSSLER DALE ADANTHA MARK.....*		4	25	1-21	37	2.0	16,919	3.58	605	24	34	+424	+.02	+18	+28
05-31-64 1222994 3353378 5-73					36		15,813	3.52	557						
1467678 ROCK RIVER SPARTACUS.....		4	7	3-23,41,	15	1.5	12,176	4.00	487	20	32	-498	+.07	-8	-22
10-23-64 1265136 4151124 5-73				42	7		13,680	3.76	515						
1467705 SUNNYROCK LUKE ORVILLE.....		1	10	1-34	10	1.9	9,092	3.63	330	14	21	-285	-.01	-12	-18
08-14-63 1429204 4528116 9-72					4		9,996	3.75	375						
1467712 KEL-8 ROYAL HOMESTEAD.....*		3	35	2-35,65	42	2.2	14,657	3.70	542	5	32	+153	.00	+5	+9
09-28-64 1352707 4356266 5-73					40		14,157	3.73	528						
1467785 REFORMATORY GRAPHIC.....*		3	10	1-34	14	2.1	15,801	3.68	582	14	28	+170	-.01	+5	+9
08-28-64 1320015 4603472 5-73					11		15,272	3.71	567						
1467794 LOUISTSEND JASPER PRIZE.....*		2	7	1-61	13	1.9	11,122	3.31	368	17	30	-357	-.04	-18	-26
06-20-64 1366892 4878320 5-73					13		12,106	3.50	424						
1467796 ROCK RIVER RECOUNT.....	35-21	56	2	8-32,34,	69	2.0	14,699	3.52	517	17	80	-213	-.12	-24	-26
10-25-64 1265136 5251828 5-73				35,41,73	18		15,029	3.67	552						
1467797 HAYSSEN ROCKET DOMINO.....*		3	10	2-35,51	16	2.3	15,403	3.38	521	0	32	+236	-.06	0	+7
07-10-64 1397486 4003994 5-73					15		14,694	3.58	526						
1467802 FOXLEASE PONTIAC HANS.....		2	29	2-52,58	31	1.9	17,484	3.37	589	10	28	+201	-.07	-3	+4
08-09-64 1421505 5420884 5-73					34		17,020	3.60	612						
1467828 FARMSTEAD BEAUT.....	61-02	30	2	2-32,34	39	1.9	15,402	3.62	557	14	69	+337	-.02	+9	+18
06-16-64 1038427 3765696 5-73					21		14,971	3.65	547						
1467831 DONIGAN BUSCHMAN KIT SUPREME..		1	25	1-43	25	2.0	9,522	3.20	305	5	20	-405	.00	-15	-25
01-18-63 1176373 5103782 5-73					4		10,748	3.28	353						
1467840 S OF P H & F HOPE.....*		1	17	1-23	17	1.8	15,649	3.55	556	27	24	-55	-.06	-11	-11
02-14-64 1243697 4351142 5-73					8		16,052	3.83	615						
1467859 ORIENT DE KOL CREATOR ROMEO...*		7	11	1-31	36	2.1	14,905	3.48	518	19	48	-25	.00	-1	-2
12-02-64 1197578 3774595 5-73					54		15,023	3.47	522						
1467860 ORIENT VRDUKA CREATOR ROMEO...*		7	9	1-31	42	1.6	14,999	3.47	520	17	52	-60	.00	-2	-3
04-11-64 1197578 3953315 5-73					44		15,197	3.47	527						
1467861 ORIENT POSCH R C BILL.....*		6	14	1-31	34	1.7	15,365	3.62	575	3	42	+341	+.06	+21	+28
05-09-64 1283079 4598026 5-73					52		15,124	3.48	525						
1467863 GOLD LEAF REGAL DEAN.....		1	20	1-55	20	2.0	12,976	3.85	499	21	25	-136	+.01	-4	-7
05-30-64 1400315 5350541 5-73					55		13,437	3.88	521						
1467915 OLYMPIC SEGIS ERIC-TWIN.....	35-75	29	1	10-21,23,	38	2.3	15,742	3.75	590	7	70	+561	+.10	+35	+46
08-16-64 1273756 5331084 5-73				35,42,82	34		15,001	3.61	542						
1467943 BESVIEW PERSEUS DEB.....		2	14	1-52	25	1.8	14,280	3.66	522	**	34	-41	+.01	0	-1
08-07-64 0102&0599 5809360 5-73					25		14,403	3.65	526						
1468011 SCHUM-ACRES MAJORITY EDITH TIM*	35-05	12	2	3-31,35,	16	2.3	15,942	3.71	591	7	49	+571	+.01	+22	+35
09-23-64 1353004 5042980 5-73				55	19		14,815	3.70	548						
1468034 RICH-HERD TEXAL SUPREME.....*	33-03	608	3	38-21,23,	1,056	1.8	14,888	3.61	537	17	98	-140	+.01	-4	-8
02-20-64 0102&4804 4670990 5-73				35,41,93	27		15,103	3.61	545						
1468037 GLENVUE CORVAIR-TWIN.....*		4	6	2-35,73	16	2.3	13,892	3.56	495	13	38	+57	-.03	-3	-1
11-27-63 0102&0599 0109781&8 5-73					21		13,670	3.68	503						
1468044 LEWVINA NETTIE GEORGE.....*		4	5	1-34	13	2.2	14,775	3.37	498	8	35	+37	-.11	-14	-10
08-21-64 1320015 4921844 5-73					12		14,702	3.69	542						
1468066 HULONG POND JEAN ALEX.....*		9	3	1-34	17	1.9	14,552	3.86	561	47	45	-427	+.07	-6	-18
01-21-64 1243697 4885505 5-73					12		15,625	3.72	582						
1468072 BLANK FARMS GRANDIER MARK.....		1	16	1-48	16	1.6	12,837	3.74	480	8	23	-109	+.01	-2	-5
04-14-64 1277619 4311161 5-73					56		13,194	3.71	489						
1468084 WILLOMONTE CRISSCROSS BONANZA.*	93-17	1	12	1-93	12	1.8	16,405	3.86	633	8	22	-53	+.03	+2	0
08-30-64 1378594 4521451 5-73					50		16,905	3.75	634						
1468098 PAWNEE FARM ABC ARGUS.....*	35-21	13	22	4-35,41,	64	2.1	14,857	3.98	592	3	50	+192	+.09	+20	+22
02-25-64 1425959 3922839 5-73				47,48	40		14,481	3.84	556						
1468103 PAWNEE FARM ABC SHADYWAY.....		1	19	1-47	19	1.6	13,798	3.64	502	9	23	+141	-.01	+4	+8
09-24-64 1425959 5625999 5-73					4		13,059	3.68	481						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF OAU /HD	STATES NO- WITH MOST OAUS	... DAUGHTERS AND HEROMATES ... OAUS	REC/OAU HEROMATE	MILK	% FAT	FAT	% 1ST INC	REPT %	PREDICTED DIFFERENCES MILK	% FAT	$$
1468121 KERBY BONNANZA.....		1	23	1-82	23	2.3	17,960	3.65	655	11	26	+266	-.02	+6 +13
11-19-62 1199324 4509098 5-73					45		17,227	3.75	646					
1468125 STORCHAVEN INKA REFLECTOR.....*		4	20	2-21,23	27	2.1	15,351	3.55	545	19	31	-40	-.03	-6 -6
10-14-63 1298430 5163024 5-73					20		15,633	3.67	573					
1468142 SPRINGIVA REFLECTION LEE.....*		2	14	2-21,23	16	2.4	15,143	3.74	566	21	27	-48	-.01	-3 -4
12-19-63 1270143 5108616 5-73					10		15,429	3.82	589					
1468144 S M F ADMIRAL PRINCE.....*		2	14	1-32	18	2.1	11,763	3.55	418	22	28	-655	-.05	-30 -44
08-14-64 1385194 4024530 5-73					5		14,085	3.76	530					
1468155 CASWELL OJKE COLANTHUS JOHN...*		1	32	1-55	32	1.6	18,437	3.02	557	7	25	+510	-.08	+6 +20
10-20-64 1112211 4961244 5-73					19		16,638	3.22	535					
1468170 ANEOAW HOJOINI BART.....*		3	10	1-41	14	1.6	12,631	3.56	450	10	26	-241	-.01	-10 -16
10-03-63 1238438 4751156 5-73					7		13,491	3.65	492					
1468201 KNOB LICK ZEUS MASTER.....*		2	13	1-61	15	2.2	14,226	3.81	542	13	26	-351	+.08	-2 -12
08-07-64 1213164 5441816 5-73					24		15,718	3.56	559					
1468212 ASH GROVE FATIMA INKA.....*		2	9	1-46	12	3.0	14,451	4.05	585	0	29	+93	+.03	+7 +9
09-14-64 1280017 5274593 5-73					9		14,134	4.02	567					
1468244 OIAMONO S STERLING ABE.....		3	21	1-93	42	1.9	15,971	3.73	596	0	40	+262	.00	+10 +16
03-09-64 1416774 4715086 5-73					18		15,420	3.75	578					
1468274 F-G-P TIERNEY OICTATOR SANOY..		2	11	1-52	14	1.7	12,620	3.63	458	14	26	-193	+.01	-6 -11
09-18-64 1303077 5481018 5-73					25		13,257	3.63	481					
1468276 SAMSON LOJAN ELEVATION.....	48-01	149	4	3-47,48,	359	1.9	15,304	3.47	531	15	94	+526	-.08	+7 +22
05-30-64 1271810 4976982 5-73				73	21		14,784	3.54	524					
1468348 REEO GLEN YEOMAN LAO.....*		1	10	1-12	10	1.1	18,899	3.64	687	**	18	+298	+.01	+12 +19
09-07-64 1416113 5271137 1-73					34		17,583	3.61	635					
1468349 REEO GLEN YEOMAN OUKE.....		2	12	1-12	22	1.9	14,481	3.63	525	20	34	-214	+.03	-4 -10
10-07-64 1416113 5042450 5-73					16		15,194	3.56	541					
1468354 PINEMEAO ROYAL CHRIS.....*		14	4	3-35,41,	28	2.1	14,278	3.56	508	15	57	-145	-.05	-12 -14
08-26-64 1305460 5049021 5-73				42	20		14,550	3.66	532					
1468358 SKAGVALE ROYAL GALAXIE.....	91-13	65	3	6-81,82,	112	1.7	17,083	3.63	620	11	84	+637	-.05	+16 +32
10-07-63 1385225 4597119 5-73				91,92,93	36		16,539	3.69	610					
1468387 GROFFOALE IVANHOE KING-TWIN...*		10	3	5-55,56,	18	1.4	12,669	3.44	436	27	43	-460	-.03	-21 -31
11-17-62 1189870 3906027 1-73				57,63,72	78		13,659	3.54	483					
1468390 ST CRUIXCJ PRAIRIE PRIME.....*		4	23	1-84	33	2.4	14,084	3.26	459	4	35	+142	-.09	-8 -2
C1-20-63 1291499 4451202 5-73					13		13,592	3.54	481					
1468408 SUNNYSIOE FIRST CHOICE.....	41-01	140	2	9-35,41,	187	1.6	14,980	3.50	525	14	90	+167	-.09	-7 -1
03-23-64 1242338 3745107 5-73				42,46,87	20		14,839	3.61	536					
1468409 SUNNYSIOE TY VIC LEAOER.....	41-01	45	2	6-34,41,	56	2.0	14,753	3.61	533	8	77	+193	+.01	+9 +13
08-11-64 1235822 4746529 5-73				42,45,46	22		14,513	3.59	521					
1468413 G-S-S GRANOIER BONOA LAO.....	35-21	20	2	4-35,41,	25	2.2	13,795	3.63	501	17	60	-340	-.01	-14 -22
02-21-64 1277619 4864798 5-73				42,47	21		14,360	3.67	527					
1468414 G-S-S GRANOIER POSCH SUPREME..		30	2	5-35,41,	40	2.1	14,065	3.58	503	18	69	-293	.00	-11 -18
03-14-64 1277619 4220050 5-73				42,47,48	21		14,502	3.59	520					
1468415 ALFCORN PABST OLIVER BOLO.....*		2	30	2-23,31	43	2.3	13,554	3.31	449	8	35	-416	-.07	-25 -33
03-29-63 1337278 4709820 5-73					38		14,778	3.33	522					
1468427 MIDLANE GINGER BANNER.....*		3	11	1-35	15	2.1	16,021	4.24	680	27	28	+295	+.09	+24 +29
09-08-64 1258673 5107444 5-73					11		15,018	4.00	600					
1468480 ATVALLEY BURKE MARK.....*		1	18	1-43	18	1.9	16,225	3.19	517	0	25	+471	-.04	+11 +23
11-18-63 1271810 5221725 5-73					16		14,292	3.27	468					
1468522 LEWAJOHN BLACK KNIGHT.....*		4	12	2-35,82	19	1.8	15,002	3.80	570	7	31	-226	+.02	-6 -12
01-01-64 1221552 4550849 5-73					21		15,890	3.78	600					
1468570 HALCREST ROMANOALE BOB.....*		1	10	1-23	10	2.4	15,270	3.69	564	22	22	-136	+.02	-2 -6
11-20-63 1427615 4820987 9-72					18		16,052	3.64	585					
1468572 LONSFARM BRAUNS MASTERPIECE...*		1	11	1-34	11	2.2	13,399	3.68	493	**	23	+21	+.02	+3 +3
11-22-63 1318021 3806054 5-73					47		13,185	3.60	475					
1468592 ROYBROOK SUPERB.....*	23-11	59	2	2-22,23	77	2.0	13,591	3.83	521	21	82	-1,351	+.12	-33 -68
10-30-63 010277722 011308024 5-73					23		15,343	3.70	567					
1468639 TARA-HILLS SUPREME.....*		9	13	2-21,32	37	1.9	15,171	3.62	549	9	45	+26	+.01	+2 +2
07-01-64 010229203 5460240 5-73					21		15,193	3.60	547					
1468705 CE-BUERG CREATOR HOUOINI SAY..*		1	11	1-35	11	1.8	14,911	3.75	559	0	22	+16	+.03	+5 +5
07-19-64 1238438 4241119 1-73					9		14,888	3.63	540					
1468735 GREEN MEADOW PIONEER APOLLO...*		5	9	4-34,43,	18	2.8	14,208	3.54	503	6	38	+36	-.03	-3 -1
07-04-64 1292880 4227776 5-73				48,50	345		14,081	3.65	514					
1468738 RENSINK SKY CHIEF.....*		7	15	4-41,42,	41	2.1	17,580	3.63	638	23	46	+648	-.05	+16 +33
11-07-64 1440501 5390363 5-73				46,47	11		16,378	3.75	614					
1468750 SAXOJAC LAKEFIELO CANOY.....		1	13	1-21	13	1.4	12,091	3.37	408	20	21	-373	+.01	-12 -21
10-31-64 1243697 4092622 5-73					15		13,841	3.35	463					
1468774 ESSBEE PAJL REFLECTION IVANHOE*		5	5	3-23,31,	13	1.8	13,374	3.61	483	20	34	-502	.00	-18 -30
10-07-64 134706e5 5372146 5-73				51	35		14,889	3.63	541					
1468818 B O I ROSNI PRW ABNER.....	35-75	34	2	11-21,32,	45	2.8	15,512	3.51	544	3	75	+357	-.09	0 +11
06-28-64 1296729 4090626 5-73				35,42,55	44		15,105	3.63	548					
1468819 B O I ROSNI CHAMP ALEX.....	35-75	24	1	10-21,23,	29	2.0	15,583	3.52	548	28	64	+299	-.10	-4 +6
07-14-64 1296729 4623793 5-73				35,41,93	56		15,193	3.69	560					
1468828 NOROG INK CHAL ELVIRA.....		2	14	1-47	26	1.7	14,409	3.73	537	5	35	+40	-.04	-5 -3
08-01-64 1291499 3522167 5-73					41		14,263	3.91	558					
1468830 BRAOSTEAO PABST KINGPIN TOOO..	35-75	28	2	10-35,52,	37	1.9	16,343	3.59	587	6	68	+254	+.01	+10 +16
07-31-64 1347940 3925842 5-73				55,91,93	53		16,144	3.59	579					
1468864 FRICKES PJNTIAC PEACOCK.....*		1	26	1-34	26	1.5	13,536	3.29	446	20	24	0	.00	0 0
08-16-64 1397752 4426584 5-73					31		13,445	3.28	441					
1468879 ANCHOR ANN BRIGEEN.....*		9	2	4-11,16,	13	2.7	16,336	3.53	576	17	44	+345	-.07	+2 +12
08-06-63 010260599 011529139 5-73				21,34	17		15,673	3.68	577					
1468880 BRIGEEN IVANHOE BEN.....*	35-21	4	17	3-21,35,	22	2.1	18,300	3.66	669	19	30	+375	-.02	+11 +20
10-21-64 1397517 5458072 5-73				41	40		17,335	3.72	645					
1468890 HAYSSEN ABC LEGEND-TWIN.....*		12	6	4-35,41,	44	1.6	14,801	3.70	548	3	59	-472	+.03	-13 -25
10-08-64 1412432 5176630 5-73				82,84	13		15,731	3.67	577					

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS HM/DAU	REC/DAU HERDMATE	MILK HERDMATE MILK	% MILK	% FAT	FAT	% 1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1468897 PRINCE WELCREST PERSEUS.....*		1	11	1-21	11	2.6	15,137	3.46	523	0	24	+151	-.02	+2	+6
C7-30-63 010260599 011536852 5-73					43		14,517	3.53	513						
1468911 LONDALE REX.....*	21-10	49	2	3-13,21,	58	2.4	14,029	3.64	510	21	77	-764	+.07	-18	-38
C7-03-64 1277619 4286525 5-73				23	23		15,090	3.56	537						
1468932 CHRISTIM VAL SUCCESSOR.....	21-10	51	2	2-13,21	59	2.5	15,932	3.51	560	11	79	+632	-.05	+15	+31
C2-23-64 124552D 4833452 5-73					25		15,212	3.57	543						
1468934 PONDSPRING IDEAL PIONEER.....*		3	9	1-23	14	2.1	14,777	3.65	540	9	30	+97	-.06	-5	-1
10-31-54 129288D 5219736 5-73					22		14,458	3.91	565						
1468937 BLANCO DUKE MARK.....	35-75	25	1	11-21,23,	32	2.4	17,358	3.53	613	7	68	+1,142	-.05	+33	+62
10-05-64 1222994 4261763 5-73				41,91,93	88		15,808	3.60	569						
1468942 RENDWN VALLEY FARM L & J.....*		8	2	1-23	12	1.6	14,499	3.64	528	0	38	-343	-.03	-17	-24
08-04-64 1216668 4769618 9-72					9		15,530	3.74	581						
1468947 FAIRWODD DUKE BUBBLER.....*		1	22	1-23	22	2.3	15,786	3.97	626	11	26	+272	+.02	+13	+19
C2-03-64 1338728 4463441 5-73					34		14,796	3.95	584						
1468957 TECHNY BERNA GRAND DUKE.....*		3	13	2-33,57	23	3.0	13,990	3.81	533	10	38	-299	+.04	-5	-13
C7-15-63 1293580 5046429 5-73					29		14,822	3.72	552						
1468987 MAPLE-LEDGE HOOPER ACE.....		7	6	1-13	24	2.0	15,020	3.64	546	37	47	+307	.00	+11	+18
C8-22-64 1085978 5064934 5-73					26		14,365	3.63	522						
1468996 ROBTHOM REGENT GOVERNOR.....		2	15	1-43	17	1.7	14,859	3.38	502	25	25	+101	-.03	-1	+2
C8-28-64 1250772 3789231 1-73					5		14,459	3.51	508						
1468997 ROBTHOM REGENT VOYAGEUR.....	35-21	52	1	6-35,41,	59	2.1	14,640	3.52	516	17	79	-29	-.08	-13	-12
C9-13-64 1250772 5307552 5-73				42,43,47	17		14,710	3.64	536						
1468998 GREEN MEADOW BETIJO REWARD....*		2	26	1-71	37	2.0	13,996	3.05	427	8	34	+248	-.05	+1	+8
12-01-63 1303180 5431896 5-73					23		13,135	3.14	412						
1469003 PINEYHILL PONTIAC JULIUS.....*		4	19	1-93	24	2.3	13,694	3.67	503	30	31	-237	+.03	-4	-10
11-02-63 1391977 5066945 5-73					73		14,479	3.59	520						
1469009 PENSTATE SAY LAD.....*	35-03	24	1	5-21,32,	29	2.7	14,189	3.64	516	4	66	-137	-.03	-9	-12
02-11-64 1276654 4849742 5-73				34,35,43	46		14,399	3.70	533						
1469014 CHAMBRIC CITATION ROMEO.....*		6	5	3-35,43,	12	2.3	14,645	3.78	553	0	35	-425	+.02	-12	-23
09-23-54 1425137 4978820 5-73				46	25		16,033	3.73	598						
1469015 CHAMBRIC CITATION ORSON.....*		2	31	1-35	33	2.2	18,208	3.51	640	6	29	+331	-.03	+7	+16
10-20-64 1425137 4970382 5-73					12		17,354	3.60	625						
1469019 LAUXMONT BACHELOR.....*	91-11	206	5	28-35,41,	365	1.6	13,717	3.81	522	17	93	-1,160	+.16	-20	-52
10-08-64 1378594 4388820 5-73				42,47,93	36		15,030	3.65	548						
1469042 STEVENSDELL BARNIE RANDY.....*		2	13	2-23,31	15	1.7	11,623	3.77	438	0	25	-265	.00	-10	-16
10-02-64 1429262 5279543 5-73					15		12,502	3.81	476						
1469043 STEVENSDELL KING FOBES BANNER.	35-75	24	1	10-21,23,	26	2.0	15,904	3.49	555	18	62	+402	-.10	0	+12
10-15-64 1377788 5021774 5-73				35,41,93	46		15,351	3.65	561						
1469048 FORT-WAY SEARS LUCROSS.....*		1	11	1-21	11	1.6	13,051	3.83	500	**	21	-258	+.04	-4	-11
10-18-64 1423201 5563438 1-73					19		14,285	3.68	525						
1469079 TD-MAR POND CEDRIC.....		1	33	1-42	33	2.0	9,950	4.04	402	14	27	-361	+.09	0	-11
C7-18-54 1347112 4825629 5-73					7		10,952	3.57	391						
1469144 PRAIRIE VALE PAT.....*		2	9	2-32,33	12	1.6	16,523	3.30	546	0	25	+415	-.05	+8	+19
C7-23-64 1291498 5466250 5-73					399		14,900	3.46	515						
1469155 EXRANCO LOMA LINDA.....	93-03	3	10	1-93	16	2.5	17,648	3.53	623	7	33	+86	-.02	0	+3
C2-27-64 1397088 5058744 5-73					173		17,718	3.61	639						
1469162 GRAY VIEW X BANJO.....*		10	11	4-33,35,	29	1.9	17,413	3.70	644	15	43	+426	+.03	+20	+29
11-21-54 1378594 5108942 5-73				65,74	60		16,636	3.64	606						
1469166 GRAY VIEW BELINA COLA-TWIN....*		16	3	3-35,41,	34	2.2	15,444	3.76	580	25	64	+437	+.10	+30	+38
10-11-64 1396617 5798523 5-73				42	18		14,797	3.61	534						
1469167 GRAY VIEW BELINA CROLA-TWIN...*	35-21	28	26	8-33,35,	72	1.7	15,982	3.74	597	9	48	+702	.00	+25	+42
10-11-64 1396617 5798523 5-73				41,42,47	23		14,531	3.77	548						
1469191 ARCHOLM WALLIE DEAN.....*		9	5	4-32,33,	25	2.0	14,352	3.31	475	5	49	+518	-.09	+5	+20
03-08-54 1190632 5260281 5-73				34,63	43		13,175	3.48	459						
1469232 HARBORCREST DISTINCTION SIR...*	31-02	8	7	2-35,93	18	2.3	16,982	3.49	593	6	39	+528	-.08	+7	+22
C7-11-64 991741 4818989 5-73					12		15,761	3.68	580						
1469248 DON AUGUR ROYAL ALLEN.....*		38	2	14-21,23,	52	1.7	13,884	3.56	494	11	73	-575	-.02	-23	-36
12-07-63 1397752 4821413 5-73				31,34,51	112		14,708	3.59	528						
1469260 CLIFFDALE CRISSCROSS BARRY....*		3	7	1-21	14	2.4	12,776	3.82	488	38	34	-742	+.08	-16	-36
11-04-64 1378594 4568701 5-73					20		15,038	3.59	540						
1469281 RICHVALE GOVERNOR PIEBE.....	35-75	36	1	12-21,41,	44	2.4	16,059	3.71	595	15	74	+458	+.04	+23	+33
C8-01-64 1010936 4678430 5-73				55,91,93	71		15,555	3.66	569						
1469290 VOLENDAM CHARIOTEER PILOT.....*		5	8	2-11,55	16	2.4	16,604	3.61	600	0	35	+73	+.05	+10	+10
08-09-64 1254887 3593770 5-73					20		16,619	3.48	579						
1469339 SAPA SKA RINGO COMRE.....	35-21	41	1	4-35,41,	46	2.1	14,468	3.77	545	15	74	+93	+.08	+15	+15
C6-28-64 1242338 4225852 5-73				42,47	17		14,337	3.67	526						
1469377 MEREDITH SKOKIE REPEATER CHAMP*		3	9	1-51	16	2.2	14,165	3.95	560	7	33	-83	+.02	0	-3
11-19-64 1386058 4938208 5-73					25		14,425	3.90	563						
1469392 ADAMSHORE CAP SAMBO.....		1	12	1-21	12	1.2	17,451	2.98	520	20	19	+106	-.06	-5	-1
11-08-64 1242163 4846556 5-73					25		17,185	3.22	553						
1469429 THE MEADOWS CHAL COLA.....*		5	9	1-42	22	2.0	15,811	3.41	539	19	40	+234	-.04	+2	+9
C9-13-64 1291499 5621909 5-73					19		15,317	3.49	535						
1469477 PAGELS PRIDE ROYAL.....*		4	9	1-42	14	2.4	13,455	3.88	522	0	30	+15	.00	0	0
C8-31-63 1352609 3885965 5-73					18		13,296	3.96	526						
1469503 JEFFERSON-CF KING.....*		10	5	1-35	25	1.8	14,930	3.69	551	14	48	+299	-.01	+10	+17
C9-17-64 1316533 5099383 5-73					22		14,303	3.71	531						
1469508 DIAMOND BELL CANARY.....		2	9	1-42	14	2.6	13,564	3.75	509	0	31	+36	+.02	+4	+4
C8-18-54 1423586 4138006 5-73					11		13,342	3.71	495						
1469521 RAG APPLE BROWNDALE HIGH MARK.*		1	14	1-21	14	2.3	15,164	3.64	552	**	25	+48	+.02	+4	+5
C4-23-54 010229512 011146475 5-73					29		15,033	3.58	538						
1469555 RIDGEPORT ZELDEN FRASER MAC...*		4	10	2-91,92	15	2.2	13,241	3.56	471	8	30	+33	.00	+1	+2
C7-04-64 1397752 4944270 5-73					29		12,993	3.56	462						
1469570 ALTURA MAJORA DUKE.....*		6	3	1-41	13	1.9	14,451	3.49	505	13	38	+55	-.06	-6	-3
C8-22-64 1421321 5576117 5-73					16		14,297	3.67	525						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS HM/DAU	REC/DAU HEROMATE	MILK	%	FAT	% 1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1469574 OAKMULGEE SUPREME SUPERMAN....		1	38	1-52	38	1.9	14,406	3.42	493	6	27	+94	.00	+3	+5
08-19-64 1414611 5136960 5-73					13		14,024	3.42	479						
1469595 LECAL HEADMASTER LUCKY.....		1	22	1-11	22	2.4	15,906	3.85	612	10	27	-177	+.02	-3	-8
02-27-64 1349029 4978472 5-73					17		16,812	3.79	637						
1469612 KNOLLSIDE REGENT SARGE.....*		7	11	2-46,47	26	2.2	16,537	3.51	580	13	41	+527	.00	+19	+32
09-05-64 1250772 4507371 5-73					18		15,344	3.49	535						
1469614 KNOLLSIDE REGENT SAXON.....*		2	18	1-42	20	1.8	13,121	3.53	463	**	26	-452	-.03	-21	-31
10-26-64 1250772 5727619 5-73					14		14,931	3.70	552						
1469633 A N R KEYSTONE LUCIFER.....*		1	16	1-55	16	2.2	11,304	3.71	419	25	25	-406	+.03	-11	-21
09-21-64 1291028 4888103 5-73					40		12,799	3.61	462						
1469651 POTTER FARMS SEARS WIZZARO....*		4	5	1-21	16	2.8	15,726	3.27	515	0	42	+518	-.09	+5	+20
03-15-64 1085978 3556564 5-73					29		14,487	3.47	502						
1469653 S E M S C HOLMD ELEVATION.....*		1	11	1-43	11	1.5	13,818	3.63	501	11	20	+128	.00	+4	+7
09-22-64 1271810 5148915 9-72					26		13,051	3.65	476						
1469695 REGANCREST ROYAL STAN.....		2	10	1-42	13	1.2	13,317	3.59	478	**	24	-20	+.01	0	-1
08-21-64 1424795 5115942 1-73					1		13,295	3.61	480						
1469717 SKYWAY PRIDE LAD.....*	35-21	9	8	7-13,35,	22	2.5	14,919	3.57	532	0	42	+138	-.01	+3	+7
09-03-64 1411631 4597344 5-73				42,56,72	21		14,614	3.59	525						
1469741 WAWACO FORTY-NINER GENTLEMAN..*		1	24	1-91	24	2.6	17,304	3.55	614	5	28	+51	+.04	+7	+7
08-05-64 1437823 4780545 5-73					92		17,423	3.42	595						
1469763 PALO OURO NOEL WALKER.....*		2	8	1-74	10	1.8	16,520	3.71	613	22	23	-129	+.02	-2	-6
09-04-64 1315498 5580457 9-72					31		17,389	3.66	636						
1469779 PLAINSITE POLYTECHNIC OLIVER..*	35-75	29	1	9-21,23,	33	2.9	14,843	3.76	558	15	69	-232	+.13	+10	+1
06-10-64 1010936 4894868 5-73				34,35,55	60		15,267	3.58	547						
1469796 FOXLEASE SENATOR.....*		9	1	3-52,54,	11	1.7	13,499	3.70	499	22	39	-141	+.03	-1	-5
08-01-64 1250992 3620691 5-73				55	19		13,805	3.64	503						
1469809 PRIDE VAJGHT FARMS REFLECTION.		1	24	1-74	24	2.2	14,398	2.98	429	9	26	+412	-.07	+5	+17
02-01-64 1227684 4885454 5-73					17		12,666	3.13	396						
1469815 REX BURKE IDEAL.....*		7	14	1-31	27	1.8	15,705	3.87	608	17	36	+228	+.10	+23	+26
05-25-63 1297169 5164621 5-73					18		15,152	3.62	548						
1469827 OXFORD HEIGHTS PAUL ATLAS.....*		2	13	2-21,61	16	2.3	12,920	3.76	486	25	29	-199	+.03	-3	-8
04-06-64 1443217 4799030 5-73					25		13,535	3.67	497						
1469829 OXFORD HEIGHTS SUPREME ATLAS..*		2	32	1-13	36	1.9	12,178	3.67	447	9	29	-427	.00	-15	-25
05-24-64 1443217 4799014 5-73					15		13,602	3.68	501						
1469830 POEHLS MARK TIM.....*		1	12	1-33	12	1.5	14,728	3.94	580	29	21	-320	+.02	-9	-17
11-04-64 1387843 5604713 5-73					11		16,467	3.87	638						
1469857 JMEIER SKOKIE BEN.....		1	49	1-33	49	2.2	12,367	3.87	478	29	28	-268	+.03	-5	-12
10-11-63 1199324 5264030 5-73					30		13,200	3.77	498						
1469876 ARBOROALE CARNATION MASTER....*		2	11	1-33	14	2.4	13,516	3.62	489	18	28	-91	-.05	-10	-11
08-22-64 1380945 4325383 5-73					7		13,760	3.83	528						
1469893 BAUGO VALLEY SENATOR-TWIN.....*		6	5	1-32	14	1.5	12,831	3.85	494	33	33	-599	+.05	-15	-30
07-01-64 1252985 4490901 5-73					14		14,665	3.71	544						
1469896 ANEOAW SIGNET BERNIE.....*		1	31	1-41	31	2.1	14,551	3.53	514	15	27	-34	-.03	-5	-5
10-05-64 1435523 5450461 5-73					20		14,711	3.66	539						
1469898 ANEOAW POLYGOV COLONEL.....	35-75	22	1	8-21,23,	25	2.2	17,224	3.46	596	10	61	+897	-.11	+10	+40
11-13-64 1010936 4305628 5-73				35,55,93	56		15,910	3.62	576						
1469922 HEUERS FOND OANNY.....		1	15	1-41	15	2.2	14,178	3.89	551	23	24	-107	+.03	0	-3
08-25-64 1243597 5043637 5-73					9		14,647	3.78	553						
1469926 HEUERS FOND BLACKY.....*		2	14	1-41	26	2.0	12,880	3.72	479	13	37	-202	+.05	0	-6
10-15-64 1243697 5433737 5-73					8		13,331	3.56	475						
1469937 CHIEF SUNNYSIDE ADMIRAL.....*		4	16	2-41,47	30	2.2	15,306	3.55	543	13	39	+738	-.03	+22	+40
08-20-64 1411230 5794701 5-73					12		13,288	3.63	483						
1469943 ZIMMERMAN PILOT STAR ERNIE....*	23-13	32	8	14-21,23,	97	1.6	13,444	3.79	509	21	74	-892	+.07	-23	-46
08-10-63 1251857 4706634 5-73				33,34,64	27		14,688	3.70	544						
1469945 ZIMMERMAN OEAN STAR EO.....*		3	52	1-21	58	2.2	13,837	3.70	512	8	30	-68	+.05	+5	+2
04-15-64 1433539 5141331 5-73					21		14,027	3.51	492						
1469946 ZIMMERMAN OEAN STAR PEP.....*		1	30	1-21	30	2.2	13,066	3.66	478	14	27	-222	+.01	-6	-12
04-21-64 1433539 5680738 5-73					79		13,836	3.63	502						
1469957 HARTSBROOK BONNY COUNT.....*		9	12	4-13,14,	26	1.8	16,525	3.72	615	5	38	+375	+.02	+17	+25
08-04-64 1272986 4214743 5-73				21,52	25		15,671	3.68	576						
1470008 ARLINOA CHIEF MASTER.....*		1	12	1-93	12	1.8	19,008	3.74	711	10	22	+237	+.02	+11	+16
08-12-64 1427381 4399662 5-73					73		18,345	3.70	678						
1470009 ARLINOA CHIEF DIAMOND-TWIN....		1	42	1-93	42	1.8	19,453	3.56	692	10	27	+287	+.07	+20	+25
08-18-64 1427381 3935119 5-73					158		18,825	3.35	630						
1470014 ARLINOA SENATOR CURTISS.....	33-03	313	4	30-21,23,	557	1.4	14,810	3.60	533	14	96	-560	-.03	-24	-37
10-10-64 1252985 4546976 5-73				33,35,93	37		15,309	3.64	564						
1470057 BURKE CELJ BEAUTY SAM.....*		3	10	2-22,43	15	1.3	12,792	3.52	450	**	26	-154	+.02	-2	-6
04-04-64 1405545 3861531 5-73					18		13,275	3.41	453						
1470085 KNOLLTOP AUDACIOUS MARK.....		1	59	1-34	59	2.3	15,627	3.74	585	16	29	+29	+.05	+8	+7
01-10-64 1410978 4980131 5-73					4		15,653	3.58	560						
1470107 MEADOWILL JERRY.....*		1	12	1-35	12	1.9	13,401	3.64	488	10	22	+113	+.01	+5	+8
09-06-64 1276654 4986820 5-73					16		12,728	3.61	460						
1470139 QUIET ACRES ACE RAG APPLE.....		1	45	1-91	45	2.1	17,012	3.69	627	9	29	-39	+.02	+1	0
08-03-64 1305813 4947602 5-73					182		17,459	3.64	636						
1470149 WEARY RIVER REGAL.....		5	7	2-92,93	26	1.7	16,260	3.66	595	15	45	-649	+.08	-13	-30
10-24-64 1305460 5281159 5-73					127		18,091	3.53	638						
1470157 HOWVALE GYPSIE VERNON.....		9	10	5-12,13,	26	2.2	15,932	3.92	625	0	42	+515	+.10	+33	+43
09-06-64 1292915 4467326 5-73				14,16,21	29		14,748	3.73	550						
1470168 COMBS-FARM C COUNT.....*		3	9	2-52,54	12	1.9	15,578	3.37	525	14	26	-164	-.05	-13	-16
01-04-64 1437603 5296353 5-73					19		16,407	3.56	584						
1470180 MANORCREST FRASEA CHIEFTAIN...	21-10	42	1	2-13,21	44	2.8	16,063	3.40	546	3	76	+418	-.10	0	+13
09-01-64 1307195 4916539 5-73					26		15,636	3.52	550						
1470184 TEXAL SKAGVALE MIOAS.....*		12	3	3-81,91,	22	1.9	14,168	3.65	517	20	52	-618	+.07	-12	-29
01-21-64 010254804 5830000 5-73				92	24		15,458	3.52	544						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HD	STATES NO- WITH MOST DAUS	...DAUGHTERS AND HERDMATES... DAUS	REC/DAU HM/DAU	HERDMATE MILK	%	FAT	%	1ST REPT INC	%	PREDICTED DIFFERENCES MILK	%	FAT	$$
1470217 BOI ROSNI CHAMP OLIVER.....		2	67	1-52	81	2.0	15,903	3.40	540		6	33	+14	-.03	-4	-3
C7-05-64 1296729 4604716 5-73					113		16,023	3.49	560							
1470223 SLEEPY HOLLOW PRINCE ALBERT...*		1	32	1-93	32	2.3	19,450	3.88	755		10	28	+302	+.03	+16	+22
C6-26-64 1315423 5236210 5-73					100		18,814	3.81	717							
1470237 LIME HOLLOW ROBUPKE OE KOL....	35-75	30	1	11-23,35,	35	2.6	16,193	3.54	573		3	70	+168	-.10	-8	-1
10-25-64 1038509 4247611 5-73				52,55,93	97		16,127	3.68	593							
1470238 LIME HOLLOW BURKGOV CHUM.....	35-75	24	2	8-21,31,	31	2.4	15,865	3.64	577		15	66	+237	.00	+9	+15
10-30-64 1038509 4312108 5-73				35,41,93	36		15,628	3.64	569							
1470239 LIME HOLLOW GRANDIER REBLE....	35-75	24	2	7-21,35,	28	2.4	16,411	3.52	578		13	54	+439	-.05	+8	+20
12-16-64 1277619 4735487 5-73				55,91,93	65		15,872	3.59	570							
1470258 FSC SEQUOIA JO.....		2	6	1-93	12	2.3	18,660	3.36	627	**	31		+248	-.05	+1	+8
C5-09-63 1306235 5224004 5-73					56		18,251	3.48	636							
1470263 SPY ROCK VALIANT OUKE.....*	23-13	26	2	2-22,23	35	1.7	14,879	3.68	548		21	65	-243	-.02	-12	-17
10-20-64 1288610 5381078 5-73					20		15,349	3.73	573							
1470277 EXRANCO SPARTAN PRINCE.....		1	18	1-92	18	1.3	15,829	3.55	562		11	22	+170	-.04	+1	+6
10-12-64 1397089 5058734 9-72					2		15,129	3.72	563							
1470294 ZELSON JERRY MERRY CHAMP.....*		5	5	2-16,21	14	1.6	16,401	3.46	568		25	35	+203	-.04	+2	+8
07-24-64 1333483 4487488 5-73					26		15,985	3.55	568							
1470300 JOAL-ANN SKYLINER AL.....*		3	12	1-23	25	2.0	15,729	3.69	580		29	38	-193	+.03	-3	-8
12-27-63 1244845 4911C56 5-73					16		16,441	3.64	598							
1470432 YODER OALE SKOKIE FOBES.....		2	33	1-34	61	1.9	13,680	3.79	518		9	40	-161	+.06	+3	-2
12-30-63 1267271 4854390 5-73					21		14,054	3.63	510							
1470455 REGIER PRINCE X PAUL.....		1	28	1-48	28	1.6	14,343	3.81	547	**	25		-122	+.01	-3	-6
12-04-63 1277213 4835101 5-73					12		14,879	3.82	568							
1470488 JERGENS HIGHCROFT MURCO.....*		3	6	1-41	14	1.4	14,327	3.37	483		22	30	+274	-.07	-1	+7
04-06-64 1416711 5458401 5-73					18		13,300	3.65	486							
1470492 JERGENS REVELATION BARON.....*		6	14	1-46	27	2.0	14,719	3.68	542		13	37	+261	-.02	+6	+13
02-05-64 1427872 4923814 5-73					11		13,972	3.76	526							
1470493 JERGENS EMPEROR HIGHCROFT JO..*		4	14	2-42,46	22	1.8	16,948	3.60	610		16	32	+496	+.01	+20	+31
07-16-64 1455399 5392125 5-73					17		15,506	3.55	551							
1470512 PAULINA TOP SPOT.....	31-07	47	2	5-31,32,	73	2.0	16,039	3.57	572		7	79	+1,051	-.06	+28	+55
C5-31-64 1087974 5012390 5-73				34,82,87	17		14,746	3.66	539							
1470521 VILLA ROSA CRUSADA IDEAL.....*		1	11	1-33	11	3.5	16,013	3.32	532		9	25	+204	-.05	0	+6
C8-13-64 1426384 5144948 5-73					38		15,293	3.51	537							
1470558 STILLWELL ORMSBY SENATOR.....*		2	8	1-33	15	1.4	13,404	3.74	501		7	28	-169	+.01	-5	-9
03-15-64 1252985 4776534 1-73					22		13,960	3.74	522							
1470588 EXRANCO SOVEREIGN KNIGHT.....	93-03	16	8	1-93	69	1.4	18,057	3.66	660		4	66	+179	+.06	+15	+18
C9-24-64 1242221 5621198 5-73					107		18,160	3.58	650							
1470609 KIRTLAND SYLVIA POND HOPE.....*		1	16	1-31	16	2.3	12,859	3.89	500		0	25	-299	+.02	-8	-16
11-26-64 1243697 4946952 5-73					16		14,007	3.84	538							
1470627 RILEYS MOSE R A SUPPER OJPPER.*		5	7	2-56,57	15	2.1	15,330	3.26	500		0	34	+151	-.08	-6	0
08-11-64 1284716 5094C43 5-73					40		14,938	3.49	521							
1470645 ESHOALE ADMIRAL TENSEN.....*		6	3	2-23,52	12	2.0	13,737	3.46	475	**	37		-351	-.07	-23	-29
C9-20-64 1237057 4574042 5-73					26		14,719	3.68	541							
1470649 CENTURION RADAR LASSIE PRINCE.*		1	10	1-63	10	1.4	14,556	3.58	521		0	19	+150	-.01	+4	+8
C7-20-64 010239301 5061057 1-73					8		13,710	3.65	501							
1470689 CODLIDGE MASTER J KENNEDY.....		2	26	1-86	36	1.6	13,541	3.18	431		16	31	-217	-.02	-11	-16
11-10-64 1389471 5064354 5-73					42		14,223	3.26	464							
1470694 DOJG-MAR ROYAL CRISSCROSS.....*		8	20	4-21,34,	37	1.9	14,519	3.72	540		6	38	+131	+.03	+9	+11
10-04-64 1378594 4850815 5-73				57,61	344		14,147	3.64	515							
1470739 ERIE-BELL BOLD MISTERY.....*		7	14	3-31,34,	28	2.0	14,151	3.39	480		0	39	-139	-.06	-13	-15
05-05-64 1346121 4872483 5-73				63	16		14,528	3.55	516							
1470757 WESTFALL GLAMOUR BOY IRONMAN..*	23-13	202	3	9-16,22,	326	2.1	15,694	3.54	556		12	95	+473	-.16	-7	+9
11-30-64 1282185 4955147 5-73				23,52,54	24		15,283	3.73	570							
1470784 AUFDERMAUR OUKE EMPEROR.....		3	53	1-93	66	1.8	21,430	3.28	703		6	32	+635	-.03	+19	+35
09-12-64 1330957 5351029 5-73					124		19,993	3.28	656							
1470789 CRISTMAN ABE.....*		8	3	5-21,31,	14	2.1	13,938	3.54	494		18	42	-253	+.05	-2	-9
C9-12-64 1243697 5018918 5-73				34,71,84	17		14,557	3.43	500							
1470799 KAB-N-HILL GRAND SANAR.....*		4	12	1-23	17	1.9	14,720	3.61	531		17	29	-48	-.04	-8	-8
11-30-64 1178303 5332326 5-73					25		14,940	3.78	565							
1470806 MARLORET FONO MAX.....*		1	11	1-35	11	1.7	14,933	3.89	581	**	22		+60	-.01	+1	+3
C6-22-64 1243697 5025874 5-73					29		14,683	3.98	585							
1470836 MACHOLD BURKGOV OAKOTA PABST..*	21-10	51	5	3-13,21,	68	1.9	15,363	3.48	535		28	73	-27	-.02	-4	-4
12-26-64 1223243 4607721 5-73				22	25		15,513	3.51	545							
1470837 HOWRY SENATOR EMPEROR.....*		1	21	1-23	21	2.6	17,151	3.31	567		14	27	-299	-.04	-17	-23
10-26-64 1252985 5018234 5-73					53		18,693	3.45	645							
1470905 RIDGEWORTH GALLANT JEFFREY....*		5	4	1-35	10	2.2	17,326	3.70	641		11	31	+393	.00	+14	+23
C8-27-64 1329588 4408318 9-72					18		16,257	3.72	605							
1470915 WALTNER SILKY SPOT STYLEMASTER*		1	12	1-46	12	1.6	13,703	3.85	528		17	21	-192	+.02	-4	-9
C7-29-64 1175471 5043061 5-73					5		14,636	3.79	554							
1470923 MOLES HOPE ROWENA JUOGE.....*		1	11	1-22	11	2.3	13,287	3.47	461		13	23	-50	-.02	-4	-5
10-14-64 1243697 5044067 5-73					30		13,410	3.57	479							
1470927 MAPLE HILL DIANE DENNIS.....*		2	32	2-33,55	34	2.4	15,629	3.51	548		0	29	+297	-.05	+3	+11
C7-16-64 1244845 5402425 5-73					11		14,639	3.68	539							
1470958 WILLAROS MAGICIAN BURKE.....		1	10	1-35	10	1.4	16,097	3.52	566		0	20	+35	-.02	-1	0
10-07-64 1350955 4342186 1-73					14		16,087	3.62	583							
1471017 KIDD FARMS URBAN STONE.....*		1	15	1-93	15	1.1	13,215	3.57	472		0	20	-195	+.01	-5	-10
11-05-64 1314526 4350209 5-73					81		14,171	3.52	499							
1471041 BLOSSOMELLE ZIP CODE.....*		2	11	2-23,35	13	1.3	15,398	4.00	616		17	22	-165	+.06	+2	-3
12-22-64 1215402 5051343 5-73					16		16,335	3.76	615							
1471074 NAMRAC HIRAM ROSNI SEARS.....	21-10	34	1	2-13,21	35	2.3	15,882	3.51	558		16	70	+348	.00	+12	+20
C9-18-64 1296729 4804781 1-73					25		15,496	3.50	543							
1471077 BROWNSON RAG APPLE PROMISE....		1	24	1-34	24	2.1	13,677	3.34	457		32	26	-163	-.06	-15	-17
07-08-64 1429447 5815536 5-73					4		14,293	3.61	516							

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS HM/DAU	REC/DAU HEROMATE	MILK	%	FAT	% 1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1471127 THOMPSON OAKS CRISSCROSS.....*		12	2	6-23,51,	17	2.5	15,072	3.52	530	7	51	+83	-.02	0	+3
07-31-64 1378594 5373840 5-73				52,55,61	23		14,968	3.55	531						
1471130 FACER FARMS IMPERIAL SEARS....*		1	23	1-21	23	2.1	18,446	3.41	629	4	26	+392	-.04	+8	+18
10-04-64 1085978 3976951 5-73					49		17,228	3.53	608						
1471134 ROAD SIDE MICKY.....		2	10	1-42	12	2.5	14,691	3.89	572	18	26	-222	+.08	+3	-4
03-02-64 1292880 4903016 1-73					12		15,685	3.61	567						
1471147 OELLFIELD PALMYRA SUPREME.....		2	11	1-93	17	2.0	18,663	3.48	650	21	31	+590	-.05	+14	+29
07-01-64 1440846 4938325 5-73					33		17,002	3.62	615						
1471167 ALSFARM SENATOR SUCCESSOR.....*		2	8	1-21	14	2.4	17,237	3.38	582	0	33	+145	-.05	-2	+3
07-06-64 1252985 4873710 5-73					30		17,062	3.50	598						
1471168 ALSFARM SENATOR ROYAL.....*		8	8	3-13,16,	25	2.4	14,526	3.62	526	6	46	-363	+.02	-10	-19
07-07-64 1252985 3723511 5-73				21	18		15,420	3.59	553						
1471171 EDGEWOOD HALL IVANHOE VIC-TWIN*	33-03	670	3	42-21,23,	1,103	1.5	14,342	3.58	513	16	98	-512	-.04	-24	-35
07-07-64 1189870 3944182 9-72				35,41,42	22		14,918	3.63	541						
1471184 WALLMAC BARON GERALDINE SIONEY*		3	11	1-52	20	1.7	15,285	3.49	533	38	32	-86	-.02	-6	-8
11-15-64 1308796 3936271 5-73					34		15,683	3.55	557						
1471187 FREEBAER S R A C TIMOTHY.....*		3	6	1-21	11	1.6	13,440	3.53	474	**	26	-560	-.01	-22	-35
12-24-64 1357743 4337689 1-73					20		15,704	3.60	566						
1471188 ROLINDA TOP HOMESTEAD-TWIN....		1	40	1-93	40	1.8	16,127	3.44	554	9	27	+272	-.03	+6	+13
10-01-64 1283231 5442765 5-73					108		15,192	3.52	535						
1471194 RI-VAL-RE MISTER.....*		8	19	2-34,64	34	1.9	14,710	3.70	544	19	37	+134	-.03	+1	+5
03-29-64 1274684 4807765 5-73					34		14,346	3.79	543						
1471195 RI-VAL-RE MUTUAL PAT.....	35-75	19	5	10-33,34,	35	2.2	16,039	3.65	586	13	59	+280	+.01	+11	+18
05-24-64 1387974 5318414 5-73				35,55,93	117		15,692	3.65	572						
1471206 MOYERVIEW JOE RINGLEADER.....*		5	3	2-32,35	10	1.7	14,224	3.61	514	0	32	-403	+.01	-13	-23
10-26-64 1443588 4410604 1-73					14		15,592	3.60	561						
1471217 CRISTY-LEE MAJOR RAG APPLE....*		1	11	1-21	11	1.6	15,905	3.52	560	55	21	+106	-.01	+2	+5
10-11-64 1200082 5112271 5-73					17		15,497	3.58	555						
1471237 VALLA VISTA KING MAUD.....*		5	12	2-63,87	24	1.9	12,485	3.83	478	14	37	-771	+.08	-17	-37
11-24-64 1371268 5244576 5-73					21		14,610	3.62	529						
1471260 HONOR GRAND JESS.....	21-10	29	1	2-13,21	32	2.4	15,374	3.62	557	13	68	+124	+.05	+12	+14
10-02-64 1277619 4459567 5-73					25		15,279	3.55	542						
1471262 LIME HOLLOW GOVERNOR APPLE....*		1	10	1-21	10	1.2	12,997	3.97	516	25	19	-389	+.07	-4	-15
12-22-64 1448037 5414631 9-72					11		15,171	3.59	545						
1471313 KNOXLAND PRINTEER PRESIDENT...*		1	29	1-12	29	2.0	15,934	3.65	582	24	27	-3	.00	0	0
07-24-64 1254887 4561369 5-73					42		16,122	3.67	591						
1471318 TARA-HILLS COMMANDER.....*		13	37	8-13,16,	71	1.7	13,919	3.60	501	29	40	-492	+.01	-17	-29
10-01-64 010241954 4313743 5-73				21,43,93	41		15,229	3.61	550						
1471319 TARA-HILLS ROYAL RAG APPLE....*		2	18	1-21	20	1.9	13,513	3.70	500	30	26	-451	+.02	-13	-24
10-13-64 1443217 5274218 5-73					43		15,333	3.63	556						
1471338 RU-GAR-NIC ORMSBY MISTERY-TWIN*	31-02	1	22	1-31	22	1.9	17,090	3.80	649	0	25	+594	+.03	+26	+39
02-13-64 1346121 3852142 5-73					15		14,762	3.72	549						
1471342 LEOON BRADY L 8 J.....*		2	13	1-48	24	1.8	17,356	3.60	625	13	35	-346	+.03	-8	-17
11-26-64 1251874 4819169 5-73					53		18,803	3.54	665						
1471348 MARSHFIELD WINTERTHUR MARK....		2	14	1-52	20	1.4	8,923	3.88	346	**	28	-323	+.05	-5	-14
10-25-64 1255278 4592757 9-72					13		9,606	3.65	351						
1471360 WILLOW TERRACE IVAN LANCER....*	33-03	7	11	3-21,34,	22	2.0	18,370	3.72	684	0	37	+520	+.01	+20	+32
08-02-64 1420487 5432205 5-73				61	46		17,229	3.72	641						
1471367 MARY-PRIDE MADCAP HERCULES....		2	11	1-46	17	1.5	12,279	3.66	450	12	28	-161	+.03	-2	-7
12-09-64 1405241 5685510 5-73					7		12,681	3.60	456						
1471431 ROMIST ELEVATION FUTURA.....		1	14	1-31	14	1.0	14,314	3.83	548	0	19	-351	+.05	-5	-15
11-12-64 1271810 5163542 5-73					3		16,334	3.59	586						
1471434 HI-BY SIR BESS PAUL.....		2	9	1-34	14	1.5	15,190	3.61	548	11	27	+50	+.01	+3	+4
11-11-64 1320015 4324345 5-73					19		15,068	3.56	537						
1471438 STARLAND ADANTHA ADMIN-TWIN...*	21-10	44	1	2-13,21	49	2.4	16,117	3.57	576	14	76	+303	+.03	+16	+22
11-15-64 1171458 4185570 5-73					26		15,866	3.52	559						
1471445 FOXLEASE VIRGINIA GENTLEMAN...	91-13	194	7	6-82,87,	517	1.7	16,336	3.71	606	9	94	+555	+.06	+29	+41
02-21-65 1189870 4231933 5-73				91,92,93	44		15,898	3.66	582						
1471447 ORISWOOD REXAVEN.....		1	14	1-54	14	1.1	14,011	3.46	488	**	20	+222	-.01	+7	+12
C6-08-64 1431942 5790024 1-73					6		12,716	3.51	446						
1471464 FOREST GREENE GALLANT PONTIAC.*		1	26	1-21	26	1.9	13,260	3.50	464	28	26	-277	+.01	-8	-15
02-18-64 1329588 4341300 5-73					14		14,338	3.45	495						
1471473 O TIDY BURKE CONCENTRATE E....*	31-02	39	11	10-31,43,	109	1.6	13,863	3.69	512	21	73	-823	+.11	-15	-37
01-16-64 1098656 5146865 5-73				48,56,57	36		15,056	3.56	536						
1471496 EOH CRESCENT ROCK.....*		2	21	1-43	23	2.4	15,419	3.30	509	15	26	+296	-.05	+4	+12
C2-02-64 1412161 5042890 5-73					6		14,358	3.44	494						
1471505 ADDHR GOLDEN BANKER.....*		4	15	2-21,23	33	2.2	13,583	3.28	446	19	42	-625	-.04	-28	-42
08-15-64 1215448 3626309 5-73					86		15,153	3.41	516						
1471506 ADDHR VICTOR BOUNDEN.....		3	40	1-93	77	1.6	16,794	3.53	592	8	40	-339	+.02	-9	-18
08-17-64 1274685 4590586 5-73					85		18,037	3.48	627						
1471512 RAG APPLE BEKEN LAKEFIELD-TWIN		1	11	1-74	11	1.7	15,690	3.26	511	0	21	+260	-.04	+3	+10
06-13-64 1243697 5542921 9-72					2		14,471	3.41	493						
1471555 WIS MAGIC PRINCE.....*		4	20	2-35,41	26	1.9	15,684	3.96	598	29	30	-468	+.04	-12	-24
09-14-64 1292880 4755129 5-73					18		16,920	3.88	657						
1471561 WIS MAYERS LAD BOY.....*		6	20	2-34,35	39	2.5	14,965	3.88	580	3	42	+353	+.02	+15	+23
11-09-64 1435884 5350843 5-73					34		14,096	3.87	546						
1471571 WIS AGATE.....*	35-05	34	2	5-23,35,	52	1.8	14,666	3.40	499	11	73	+69	-.18	-23	-17
09-13-64 1292880 3612216 5-73				41,42,63	18		14,591	3.65	533						
1471604 COSBY ACRES TEXAL KING.....*		2	13	1-43	23	1.7	12,039	3.96	477	10	33	-68	+.03	+2	0
11-09-64 1449653 5561037 5-73					34		12,039	3.87	465						
1471618 PATRJACK PERSEUS ADONIS.....*		12	1	7-33,42,	13	2.1	16,148	3.39	547	11	45	+569	-.06	+12	+27
10-29-64 010260599 4803386 5-73				61,63,65	25		14,937	3.48	520						
1471627 LU-PA IVANHOE HONEY MAN.....*		3	18	1-52	23	2.4	14,721	3.29	485	5	31	+57	-.06	-6	-3
02-07-64 1189870 5563564 5-73					34		14,555	3.48	507						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS	REC/DAU	MILK HM/DAU	%	FAT HERDMATE	%	1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1471656 EVER MAY PERFECTION.....*		3	14	1-92	18	2.3	14,958	3.81	570		21	29	+84	-.02	0	+3
01-16-63 1337195 3868904 5-73					27		14,697	3.92	576							
1471674 NDALEHURST MAX JOE.....*		1	13	1-21	13	1.5	13,401	3.31	444		25	21	-284	-.02	-13	-19
05-11-64 1348281 4477137 5-73					109		14,792	3.45	510							
1471704 RUBILYN DOUBLE PRINCE.....*		3	8	1-35	15	2.1	17,770	3.19	566		13	33	+680	-.16	0	+21
11-14-64 14301+4 5279345 5-73					11		15,864	3.59	570							
1471710 OALCREST RDSE MARSHAL.....*		2	10	1-74	13	2.4	18,651	3.43	639		23	28	+306	-.03	+7	+15
09-21-64 1423213 5545732 5-73					61		17,910	3.48	623							
1471714 BURKET-FALLS PERSEUS PRINCE...*		1	32	1-23	32	1.8	15,017	3.83	575		28	26	-185	+.01	-5	-10
08-13-64 010260599 5499965 9-72					22		15,879	3.82	606							
1471731 BAUGO VALLEY JURYMAN PONTIAC..*		7	3	3-32,34,	11	1.9	13,008	3.76	489		13	35	-673	+.05	-18	-35
11-28-64 1397752 4716675 5-73				35	14		15,000	3.65	547							
1471736 HILLANLAKE GOLDEN BURKE PRINCE*		7	3	3-32,34,	13	1.4	12,114	3.48	421		29	35	-421	-.04	-21	-30
10-08-63 1330248 4882345 5-73				87	13		13,291	3.63	479							
1471743 TIRVELDA COMMANDER JONATHA....		2	11	1-52	13	2.1	13,787	3.45	476		22	25	-34	-.03	-6	-6
01-26-63 1353822 4389435 5-73					8		13,875	3.63	503							
1471750 ARLINDA CHIEF GOVERNOR.....		1	33	1-93	33	2.2	16,905	3.44	582		0	28	+205	-.02	+4	+9
12-28-64 1427381 5267974 5-73					131		16,365	3.51	574							
1471760 FAIR HILL HAZEL ROYAL PONTIAC.*		5	21	1-23	31	2.2	12,985	3.81	495		21	34	-510	+.07	-8	-22
10-24-64 1397752 4956516 5-73					18		14,481	3.60	522							
1471763 NEPTUNE WELCOME WAY ROCK RIVER*		5	14	1-35	29	2.7	15,888	3.71	589		9	41	+155	+.02	+9	+12
09-06-64 1265166 4762269 5-73					14		15,634	3.66	572							
1471768 WILLIAMS FARM REGAL IVANHOE...*		2	16	1-22	18	2.8	14,491	3.96	574		0	29	-54	+.10	+12	+8
09-02-64 1414261 5113145 5-73					38		14,713	3.63	534							
1471774 MCI KING GRAND VALE.....*		7	5	1-31	22	2.0	16,170	3.46	560		5	47	+63	-.02	-1	+1
11-07-64 1314488 4956653 5-73					41		16,218	3.51	569							
1471776 TIMBEREDGE SKYLINER DAN.....		1	17	1-41	17	2.4	14,648	3.50	513		6	25	-155	-.02	-9	-12
08-28-64 1445256 5089823 5-73					10		15,358	3.63	557							
1471812 OUN-BAR WALTER ACE.....*		2	11	1-35	14	1.1	11,892	3.67	437		0	23	-119	-.03	-8	-10
07-27-64 1417459 4027180 5-73					26		12,193	3.85	470							
1471824 BURNSWAY CAPT OLIVER SKYLINER.		6	54	1-42	64	1.6	14,028	3.66	514		17	30	-213	.00	-8	-13
08-23-64 1244845 5386851 5-73					8		14,795	3.70	547							
1471879 WIL-OAKS DESIGN LEADER PRINCE.*		4	7	1-41	15	2.3	13,609	3.66	498		29	34	-324	-.03	-16	-23
12-09-64 1249424 5755957 5-73					10		14,591	3.78	551							
1471884 HOPPERS DUKE TALOGA.....*		5	22	1-63	52	2.0	13,544	3.54	480		3	45	-460	-.02	-19	-30
08-30-64 1442041 4389091 5-73					22		14,591	3.59	524							
1471955 HEATHERSTONE TYPEBLAZER CRISS.*		1	15	1-35	15	2.0	14,294	3.62	518		8	24	+100	-.02	+1	+4
12-31-63 1270685 4847070 5-73					7		13,819	3.73	515							
1471956 HEATHERSTONE LUCKY TYPEBLAZER.*	23-13	145	2	7-21,22,	213	1.8	16,214	3.68	597		10	92	+995	-.03	+31	+56
07-19-64 1270685 5264189 5-73				23,35,51	22		15,213	3.73	568							
1471968 POLYTECHNIC BOND BROCK.....	93-19	12	43	2-91,93	165	1.7	19,107	3.49	667		15	59	+588	-.09	+8	+24
05-16-64 1420015 4968658 5-73					125		18,514	3.61	669							
1471982 OLSUMMIT SKYLARK OALE.....*		3	14	1-21	22	2.0	15,209	3.49	531		32	32	-83	-.05	-10	-11
03-24-64 1239242 3334970 5-73					57		15,591	3.67	572							
1471985 COUNCIL ROCK FOND LUCIFER.....*		7	9	2-13,21	23	1.7	12,992	3.88	504		23	38	-373	+.10	0	-11
11-22-64 1243597 4781889 1-73					23		13,930	3.63	505							
1472016 RAGUSA ADRECO REX-TWIN.....	35-75	20	1	9-32,35,	24	2.2	16,139	3.67	592		20	60	+95	+.04	+9	+10
11-08-64 1298197 4550565 5-73				55,91,93	44		16,158	3.61	584							
1472040 PACLAMAR BLACK HAWK.....*		20	3	5-35,42,	43	1.9	12,726	3.56	453		15	67	-1,066	.00	-39	-64
10-14-64 1429821 4494503 5-73				43,71,73	19		14,315	3.58	512							
1472050 ARJO GYPSIE PRIDE.....		1	10	1-35	10	2.2	14,864	3.75	558		0	22	-3	+.04	+6	+5
08-18-64 1277213 4354457 5-73					15		14,937	3.58	535							
1472056 MACREE PONTIAC PAUL.....*		2	12	1-34	15	1.9	14,996	3.50	525		0	27	+63	-.02	0	+2
10-03-64 1397752 6013002 5-73					14		14,804	3.59	531							
1472066 VANDY OYK_AND MAJESTY.....	35-75	20	1	9-21,34,	24	1.8	16,277	3.58	583		25	59	+298	-.01	+9	+16
02-02-65 1278044 4463648 5-73				55,91,93	67		15,921	3.60	573							
1472092 BRISTOL ECHO HAP.....*		8	11	2-41,42	34	1.5	14,974	3.41	510		50	44	-23	-.11	-16	-14
09-22-64 1404688 3605641 5-73					12		15,099	3.65	551							
1472093 BUSHOME CITATION.....*		6	5	4-21,23,	19	1.2	14,079	3.68	518		8	38	-103	+.03	0	-3
12-19-64 1492073 6013335 5-73				42,48	12		14,347	3.62	520							
1472098 TEXAL CITATION DYNAMO.....*	93-19	386	4	33-21,23,	706	1.6	15,004	3.44	516		16	97	-99	-.18	-29	-27
09-16-60 1492073 6566500 5-73				35,41,42	31		15,187	3.62	550							
1472115 CEDAR GROVE PRIDE NAVIGATOR...*	55-01	11	10	1-55	44	1.9	17,528	3.61	632		19	55	+212	-.05	0	+6
12-03-64 1237057 4243266 1-73					46		17,448	3.70	645							
1472161 SCHRICK WALLIE BURKE LOUIE....*		4	13	2-48,73	20	1.6	15,103	3.49	527		16	30	-56	-.04	-8	-8
11-18-64 1193632 5076343 5-73					11		15,395	3.64	560							
1472181 SANOLIN ULTRA JOY.....*		4	11	2-84,87	18	1.8	13,763	3.44	474		18	31	-163	-.01	-8	-11
06-02-64 1250772 5062971 5-73					17		14,285	3.52	503							
1472182 FERTILE GREEN DRUMMER LADD....*		1	16	1-22	16	2.1	14,084	3.76	529		0	25	+91	+.02	+6	+8
11-16-64 1391379 3988989 5-73					41		13,641	3.70	505							
1472213 SUPREME TEXAL MIDNIGHT.....*		2	24	1-34	28	2.4	14,082	3.65	514		13	30	-334	+.04	-7	-16
01-11-64 010279415 6013521 5-73					43		15,295	3.55	543							
1472217 WINDOWIS CAPTAIN SKYLINER.....*		2	21	1-42	29	2.5	17,455	3.29	575		3	34	+512	-.06	+10	+24
07-24-64 1244845 4055825 5-73					14		16,113	3.41	549							
1472225 E-Z ACRES PABST REMER DIPLOMAT*	55-01	6	6	1-55	27	2.4	16,018	3.94	631		11	50	-240	+.19	+18	+7
07-25-64 1000390 4214358 1-73					44		16,730	3.61	604							
1472234 DIX HILL DUKE BEAUTY.....*	55-01	5	5	1-55	22	2.1	17,525	3.61	632		32	46	+328	-.02	+9	+17
12-19-64 1112211 3758812 1-73					43		17,082	3.64	622							
1472242 RICK NORTH STAR S.....*		2	10	1-23	15	1.9	14,454	3.49	504		7	29	+12	-.03	-4	-3
09-04-63 010279934 011456845 5-73					10		14,414	3.61	520							
1472248 LONE VALLEY ADMIRAL CREATION..		1	32	1-35	32	2.1	15,116	3.51	530		19	27	-204	-.08	-19	-22
09-23-64 1274684 5267104 5-73					6		16,039	3.82	612							
1472323 SHETLARS SKYHAWK TRIUNE.....	41-01	53	1	4-35,41,	63	2.2	14,299	3.59	513		14	79	+50	.00	+2	+3
09-29-64 1289574 3643881 5-73				45,46	17		14,219	3.58	509							

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS	REC/DAU HM/DAU	HERDMATE MILK	% MILK	FAT	% FAT	1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1472324 SHETLARS TIDY SKY CHIEF.....	41-01	33	1	2-41,87	39	1.7	14,105	3.56	502		17	69	-477	-.01	-18	-29
11-11-64 1289574 3610256 5-73					15		14,844	3.58	531							
1472334 BRAINTRIM REGAL DAN.....*	21-10	38	1	2-13,21	41	1.8	14,371	3.51	505		17	71	-468	-.02	-19	-30
12-09-64 1282185 4896198 5-73					25		15,099	3.54	535							
1472364 LANTLAND FOND HOPE CLYDE.....*		2	13	1-21	16	2.6	18,720	3.25	609		6	30	+318	-.07	+1	+10
12-06-64 1243697 5320654 5-73					31		18,009	3.41	614							
1472406 CDLSTAH NDEL WIS JOE.....*		6	23	1-84	47	1.4	14,629	3.51	514		9	38	+334	.00	+12	+20
09-03-64 1381747 5316306 5-73					72		13,675	3.50	479							
1472407 CDLSTAH L E LAD.....*		6	11	1-84	19	2.3	13,274	3.44	456		0	35	-106	-.02	-7	-9
03-24-64 1392479 5186115 5-73					85		13,491	3.51	473							
1472411 RDUND OAK PRAIRIE EXPERT.....*		13	10	3-51,52,	43	1.7	15,714	3.76	591		18	52	-33	+.13	+17	+13
08-25-64 1291499 5749758 5-73				63	20		15,932	3.54	564							
1472425 WDJOGREEN ROYAL CITATION R....*		11	18	3-71,73,	42	1.6	15,614	3.34	522		8	41	+411	-.02	+12	+22
08-04-64 010283342 011653988 5-73				74	32		14,631	3.36	491							
1472426 SHANGHIGH IVAN EXEC LADO.....*		6	3	3-31,32,	13	2.0	14,351	3.71	532		10	39	-161	+.02	-3	-7
07-18-64 1418927 5587317 5-73				63	19		14,808	3.69	546							
1472489 SILVERFIELD SUNSHINE.....*		3	14	1-48	28	2.6	14,822	3.62	537		4	41	+179	-.04	0	+5
08-31-64 1436271 5025455 5-73					20		14,387	3.76	541							
1472490 MANDAN BERT FAVDRITE.....*		13	1	3-41,46,	14	2.1	15,717	3.73	586		0	47	+67	+.05	+9	+9
09-19-64 1158310 5300683 5-73				47	14		15,707	3.65	573							
1472507 RDUND OAK IVANHDE DIAMDND.....*		7	6	1-52	27	1.6	15,362	3.80	584		26	47	+99	+.08	+15	+15
08-18-64 1189870 4966915 5-73					31		15,236	3.65	556							
1472520 OE LDNG IVANHOE STAR CHARM....		1	12	1-23	12	1.6	16,580	3.49	369		13	21	-308	-.01	-13	-20
09-13-64 1435331 4843485 5-73					41		11,751	3.60	423							
1472539 KERN KNDLL GYPSIE JULE.....		1	49	1-41	49	2.1	15,838	3.53	559		14	28	+157	-.03	+2	+6
08-13-64 1435833 5250507 5-73					12		15,377	3.62	557							
1472540 GENETTE PILOT DYNO.....		1	14	1-41	14	1.9	12,242	3.64	446		**	23	-189	.00	-7	-11
01-29-64 1261857 4553306 5-73					6		12,922	3.68	476							
1472544 DOR-RAL WJDDY MYSTERY.....		2	26	1-51	28	1.8	14,226	3.98	566		21	27	-86	+.03	+1	-2
05-06-64 1346121 5044635 5-73					29		14,573	3.90	569							
1472548 HAPPY HOLLOW WILLMIL ADMIRAL..	35-75	23	2	8-21,31,	31	2.3	15,670	3.60	564		14	65	+265	-.03	+5	+12
12-15-64 1298197 4996664 5-73				35,41,93	43		15,360	3.65	560							
1472549 PIPER VIEW COUNT 8 JOHANNA....	91-11	55	2	14-22,23,	73	1.4	13,873	3.74	519		10	78	-263	+.10	+4	-5
08-21-64 1308419 5016994 5-73				35,41,42	19		14,190	3.62	514							
1472551 PIPER VIEW AIM FANCY.....*		9	9	3-22,35,	39	1.6	15,300	3.70	566		16	51	+146	+.04	+11	+13
10-07-64 1418953 4387584 5-73				74	31		15,083	3.63	547							
1472556 DON KUNER CHAMBRIC IDEAL.....		1	10	1-84	10	1.3	13,471	3.70	498		0	19	+229	-.02	+6	+12
09-30-64 1276654 5662129 9-72					16		12,039	3.84	462							
1472566 MATTOCKS FARM GDVERNOR.....*		2	14	1-23	16	2.1	16,064	3.76	604		15	26	+101	+.02	+7	+9
01-11-65 1243697 5011143 5-73					33		15,821	3.68	582							
1472567 MATTOCKS FARM GAYLORD.....*		3	17	1-23	22	1.6	15,406	3.83	590		26	28	+237	+.02	+12	+17
01-14-65 1348281 4507246 5-73					20		14,591	3.77	550							
1472580 ROBTHOM BOSCO SOVEREIGN.....*		1	13	1-43	13	1.6	13,393	3.32	445		29	22	0	-.02	-3	-2
01-29-64 1341975 4307121 5-73					7		13,281	3.43	455							
1472585 MEADOWILL SENOR.....*		2	11	1-35	13	2.6	15,073	3.60	543		15	27	+9	.00	0	0
01-24-65 1252985 4838099 5-73					12		15,110	3.61	545							
1472595 COLLINS-CREST REFLECT J-TWIN..*		3	15	1-21	30	2.3	17,414	3.51	612		13	39	-46	+.01	0	-1
10-09-64 1443217 5058531 5-73					76		17,883	3.47	621							
1472671 APACHE CITATION TONTO.....		6	60	4-21,43,	87	1.9	13,764	3.57	491		28	36	-743	+.12	-10	-31
01-03-65 1492073 5750662 5-73				48,86	110		16,003	3.26	522							
1472688 ELM-CHRIS MAPLE BURKE.....		1	19	1-35	19	2.0	12,548	3.57	448		8	25	-29	.00	-1	-2
08-01-64 1427847 5298643 5-73					20		12,474	3.60	449							
1472700 ELM RIDGE TRIUNE ATLAS.....*		2	21	2-35,57	23	2.5	13,760	3.84	528		18	29	-381	+.08	-3	-14
01-01-65 1443641 4978029 5-73					14		15,174	3.58	543							
1472703 ELM RIDGE MAPLE MARK-TWIN.....	35-21	80	1	7-35,41,	98	2.0	15,524	3.60	559		14	86	+856	-.05	+24	+46
05-21-64 1386406 4117171 5-73				42,43,47	19		14,537	3.66	532							
1472716 SPRUCE SHADOWS FOND HOPE MAGIC*		11	7	3-41,45,	34	2.0	15,519	3.60	558		5	53	+354	-.02	+10	+19
09-28-64 1243697 4516525 5-73				46	15		14,904	3.64	542							
1472722 ELJETO SENATOR MARK.....*		4	7	1-31	16	1.6	17,407	3.99	694		0	32	+514	+.10	+34	+43
08-03-64 1252985 4891689 5-73					13		15,974	3.74	597							
1472775 TECHNY JOAN MAGIC.....*		6	4	1-33	14	1.8	15,517	3.49	541		8	38	+219	-.10	-6	+2
12-26-63 1291028 3571675 5-73					44		14,999	3.75	563							
1472810 AMITY-ACRES PERFECT ADJUSTER..*		2	6	1-23	11	2.0	14,970	3.61	541		14	29	-151	-.02	-9	-12
09-14-64 010284771 4820453 5-73					16		15,610	3.72	580							
1472834 GREENWOOD IVAN.....*		10	13	1-23	46	2.5	14,770	3.83	566		2	54	-11	+.02	+3	+2
02-27-64 1189870 3393298 5-73					26		14,836	3.82	566							
1472856 SANDHURST-CRS C O OARK DDN....*	61-02	68	1	6-31,33,	85	1.8	14,525	3.82	555		13	83	-327	+.15	+10	-2
09-03-64 1070036 5064243 5-73				35,61,74	21		14,979	3.64	545							
1472861 HOUSERVIEW PIETJE PENSTATE....*		4	4	1-23	10	1.2	14,761	3.69	545		14	28	+148	-.01	+4	+8
12-18-64 1410984 5293245 9-72					18		14,211	3.74	532							
1472870 STERK MAGISTRATE OUKE.....*		3	15	1-93	24	2.0	21,180	3.45	731		25	34	+765	-.09	+14	+35
10-11-64 1243697 4600731 5-73					127		19,419	3.64	707							
1472881 BON-HJMME OE KOL VAR SPOKESMAN*		4	8	2-92,93	16	1.4	13,820	3.73	515		**	30	-24	+.01	+1	0
08-09-64 1291498 5088256 5-73					32		13,848	3.69	511							
1472906 CK ELEVATION PIONEER BUTCH....*		2	19	1-48	30	2.1	13,859	3.78	524		18	35	-649	+.08	-13	-30
09-29-64 1292880 4697441 5-73					16		15,905	3.59	571							
1472924 RAG APPLE OAISY IMPROVER.....*		6	4	2-43,73	11	1.8	14,438	3.49	504		25	32	-332	-.06	-20	-26
08-08-63 1408359 5372016 5-73					15		15,612	3.69	576							
1472949 SCHENCKWOOD ROAMER ADARE.....*	21-10	35	1	2-13,21	37	2.2	14,386	3.62	521		21	70	-783	+.05	-22	-42
09-28-64 1171458 5076112 5-73					26		15,626	3.57	558							
1472976 WISCORI PIONEER TONY.....*		5	13	2-35,65	22	1.8	12,405	3.75	465		32	33	-116	+.02	-2	-5
02-02-64 1292880 4634890 5-73					25		12,585	3.72	468							
1473002 HICKORYVALE TRADEMARK ALAN....*		5	19	3-23,31,	32	1.9	13,379	3.63	485		9	36	-103	+.03	0	-3
12-26-64 1440198 3940301 5-73				32	24		13,591	3.57	485							

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES ND- WITH MOST DAUS	DAUS	REC/DAU HERDMATE	MILK HERDMATE MILK	% MILK	% FAT	FAT	% 1ST INC	% REPT	PREDICTED DIFFERENCES MILK	%	FAT	$$
1473013 HONORABLE SENATOR PRINCE.....*		2	18	1-23	23	2.4	17,402	3.57	622	4	31	+264	-.02	+7	+14
C2-09-65 1292880 5088975 5-73					12		16,801	3.62	609						
1473023 LODESTAR GOLDEN WOODMASTER....*		3	19	1-21	43	1.9	14,148	3.48	493	8	43	-646	.00	-23	-38
09-10-64 1269391 4796058 5-73					42		15,801	3.50	553						
1473041 STONEBRIDGE RASPUTIN.....*		6	4	2-22,23	15	1.8	13,946	3.58	499	15	39	-377	-.01	-15	-24
10-24-64 1450272 5447934 5-73					27		14,979	3.63	543						
1473043 WESTOVER MONCADER ROSS.....	21-16	52	1	3-13,14,	57	2.3	14,458	3.60	521	19	79	-723	+.03	-22	-40
09-14-64 1235822 4505622 5-73				21	27		15,487	3.57	553						
1473048 MOOSEHEART SELECT.....	33-03	138	3	26-21,23,	196	1.5	15,402	3.40	523	13	90	+650	-.18	-3	+17
12-08-64 1190632 3540979 5-73				35,41,84	21		14,712	3.59	528						
1473081 HARBORCREST ROYAL CHOICE.....*		3	12	1-31	30	1.6	14,754	3.64	538	10	40	-320	-.03	-16	-23
11-30-64 1442796 5289001 5-73					3		15,689	3.74	587						
1473083 HARBORCREST LLOYANN SUNNY BOY.*		1	29	1-31	29	1.8	15,607	3.70	578	11	26	+403	+.01	+16	+25
C1-03-65 1436271 4539031 5-73					15		14,018	3.69	517						
1473129 MAYERS DUKE SEGIS LAD.....*		1	13	1-35	13	2.2	11,158	3.76	419	17	24	-314	+.03	-7	-15
12-04-64 1293580 4577718 5-73					23		12,256	3.64	446						
1473133 IRVINGTON MARCUS.....		9	8	2-52,54	27	2.2	14,989	3.34	501	17	46	+245	-.09	-4	+4
C7-17-64 1386406 5333329 5-73					39		14,468	3.53	511						
1473136 NADREST ROYAL.....	35-75	24	1	10-21,35,	27	2.0	15,390	3.71	571	18	63	-195	+.11	+8	+1
02-03-65 1192713 4513633 5-73				55,91,93	65		15,848	3.55	562						
1473139 CORREIA MISTER GEORGE.....		1	36	1-93	36	1.4	19,244	3.42	658	0	25	+311	-.03	+7	+15
02-14-63 1394672 5253796 5-73					38		18,389	3.49	641						
1473176 HOFFMANDELL JIM DICTATOR.....*		3	5	2-23,93	10	2.3	12,961	3.76	487	0	29	-622	+.05	-16	-32
10-02-64 1333077 3410658 1-73					20		15,232	3.60	548						
1473192 STA-LEE WHITE PLAINS IVANHOE..*		14	5	5-21,35,	45	2.0	16,159	3.58	578	3	64	+235	-.02	+6	+12
01-01-65 1189870 4684922 5-73				51,55,56	35		15,949	3.60	574						
1473219 FLASHY LAKEFIELD KING COMER...		1	15	1-34	15	1.7	16,172	3.41	551	40	23	+118	-.03	0	+4
04-15-64 1288721 4418372 9-72					43		15,799	3.51	554						
1473254 WILLMIL FOND ROCOCO.....*		2	11	1-51	13	3.1	13,677	4.14	566	0	28	-112	+.04	+2	-2
12-02-63 1243607 5246001 5-73					30		14,049	4.00	562						
1473271 RICH-HERD TRIUMPH ZOOM.....*		2	7	1-46	13	1.0	13,115	3.71	487	**	25	-289	+.05	-3	-11
11-22-63 1258673 4691245 5-73					10		14,262	3.52	502						
1473276 YODER DALE FOBES DICTATOR.....		1	13	1-32	13	1.5	11,318	3.72	421	20	21	-233	.00	-8	-14
12-27-64 1345401 4789581 5-73					1		12,218	3.76	459						
1473282 CREAMLINE INKA LOYALTY.....		1	35	1-34	35	1.5	12,045	3.34	402	43	25	-315	-.04	-17	-23
11-30-64 010233528 5200846 5-73					12		13,182	3.56	469						
1473291 HENRY COUNTY TYPLUS ORMSBY....		1	20	1-42	20	2.4	16,226	3.39	550	13	26	+155	-.04	0	+5
C5-03-63 1389299 5157661 5-73					17		15,763	3.51	554						
1473328 ALBERTVILLE BARON DANNY.....		1	12	1-35	12	1.3	17,977	3.67	660	**	20	+156	-.02	+3	+7
10-08-64 1385929 4956691 5-73					22		17,507	3.76	659						
1473332 ALBERTVILLE PRAIRIE BOY.....*		3	27	1-35	33	1.5	18,463	3.31	612	30	28	+281	-.09	-3	+6
C7-30-64 1442477 5616294 5-73					12		17,796	3.59	639						
1473347 GREATLAWN PRESIDENT SEVENS....	35-75	19	2	8-21,35,	25	2.3	18,938	3.45	653	5	61	+1,562	-.09	+42	+82
C1-20-65 1239242 4776407 5-73				55,87,93	123		16,588	3.56	591						
1473366 JONAVAN COLANTHA ROCKEY.....*		1	15	1-34	15	2.0	15,850	3.46	548	**	24	+265	-.03	+5	+12
C8-12-64 1242185 5394936 5-73					18		14,777	3.57	528						
1473423 WITH-ROW RACHEL LUCKY.....		5	13	1-32	29	2.4	14,075	3.55	499	7	41	-522	-.02	-22	-34
11-04-64 1197956 4220356 5-73					10		15,456	3.62	559						
1473442 AJRF BURKGOV KIT.....*	35-75	190	5	31-21,35,	316	1.8	16,421	3.50	575	8	92	+947	-.11	+17	+43
11-14-64 1038509 4681433 5-73				41,84,93	46		15,506	3.62	561						
1473449 LOCKWAY IVANHOE MAGICIAN.....*		3	26	2-23,35	30	2.0	14,124	3.72	526	7	29	+12	.00	+1	+1
11-17-64 1440198 5327382 5-73					126		14,048	3.73	524						
1473465 PRODUCERS MAJOR JUDEN.....		2	28	1-93	55	1.6	16,473	3.56	587	21	40	-833	+.08	-19	-41
C1-06-65 1320453 3527699 5-73					146		19,039	3.41	650						
1473469 LOTTA ROCK CHIEF.....*		1	10	1-11	10	2.5	14,160	3.83	543	10	23	-167	+.04	-1	-6
C8-13-64 1397517 4285033 9-72					23		14,946	3.73	557						
1473493 WINDY WILLOW ROCKETEER.....	21-10	40	2	8-11,12,	51	1.9	15,012	3.62	544	27	75	-323	-.02	-15	-22
11-01-64 1298197 3106074 5-73				13,14,16	32		15,564	3.67	571						
1473497 WILLSHOLM STREAK JUPITER.....		1	20	1-23	20	2.0	16,506	3.75	619	0	25	+283	+.01	+11	+18
C1-24-65 1418669 5138162 5-73					8		15,483	3.75	580						
1473502 BROOKMONT PRINCE ROYAL.....*		1	26	1-21	26	1.5	11,531	3.17	365	13	24	-481	-.04	-23	-33
10-30-64 1442957 3546229 5-73					17		13,473	3.41	460						
1473508 KOPIAH SKYLINER FAYNE.....	35-75	29	1	16-23,33,	32	2.0	15,734	3.50	550	11	66	+335	-.07	+2	+12
12-20-64 1244845 5119727 1-73				42,55,93	45		15,321	3.59	550						
1473510 GOLDEW REROYAL COLONEL.....	35-75	36	2	12-21,55,	44	2.4	16,455	3.57	588	20	73	+535	-.05	+12	+26
06-02-64 1192713 5089644 5-73				57,91,93	61		15,871	3.64	578						
1473543 J-ARGO FASCINATION.....	35-75	29	5	10-32,35,	57	2.1	17,374	3.48	605	4	70	+675	-.12	+7	+26
C3-03-64 1179324 4553952 5-73				41,55,93	70		16,631	3.63	603						
1473549 FRE-LAS NANCY ROELAND.....*		15	3	5-11,21,	27	1.7	15,479	3.73	578	27	56	+1	+.12	+17	+14
02-14-64 1239886 5238593 9-72				23,51,52	18		15,597	3.53	551						
1473565 SYRALANE SUPREME KNIGHT.....*		2	23	1-47	25	1.9	13,336	3.67	490	17	27	-96	-.02	-7	-9
C7-12-64 1331950 5174745 5-73					8		13,618	3.81	519						
1473580 DE LOR ALCARTRA OLIVER TOM....*		1	13	1-35	13	2.6	16,544	3.91	647	0	25	+94	+.05	+11	+12
C1-10-65 1357797 4542033 5-73					16		16,367	3.75	614						
1473590 MACBRD GOLDEN F ROAMER DAVE...*		1	20	1-31	20	1.7	11,124	3.47	386	8	24	-194	+.03	-3	-8
C1-09-65 1331227 4112803 5-73					25		11,654	3.36	391						
1473593 SUNNYSIDE RAVEN BURKE.....*	61-02	7	7	4-35,63,	22	2.1	14,378	3.60	518	0	43	-377	-.02	-17	-25
11-02-64 1113350 5395121 5-73				64,91	29		15,352	3.67	564						
1473598 PARKCHESTER PENSTATE POSCH....*		7	9	2-23,45	38	2.1	15,008	3.65	548	12	54	+128	-.05	-3	+1
12-19-64 1410984 4491031 5-73					21		14,812	3.77	559						
1473628 SHADYVALE MONOGRAM PILOT.....*		1	10	1-34	10	2.4	16,891	3.59	606	20	23	+33	-.02	-1	0
C8-18-64 1335787 5184652 5-73					17		17,005	3.68	625						
1473645 LONDON DICTATOR DIRECT.....*		5	3	1-31	12	1.4	15,958	3.62	578	0	34	+57	+.05	+10	+10
10-18-64 1305366 4254841 5-73					49		15,943	3.47	553						

REGISTRATION NUMBER NAME DF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES ND- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS HM/DAU	REC/DAU HERDMATE	MILK	%	FAT	% 1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1473654 LIME HDLLOW BURKGDV SUPERB....	23-13	143	2	6-23,51,	228	1.7	14,793	3.55	525	13	92	-13	-.09	-14	-12
12-14-64 1038509 4937337 5-73				52,54,93	30		14,855	3.66	544						
1473658 DUNROCKIN SENATOR ROYAL.....*		13	3	6-32,33,	24	1.8	14,998	3.58	537	25	53	+216	-.01	+6	+11
01-01-65 1252985 5645662 5-73				42,43,45	18		14,610	3.60	526						
1473660 DON AUGUR EVERLASTING DESIGN..*		6	26	3-23,51,	60	2.0	16,763	3.62	607	14	45	+538	-.04	+14	+28
06-20-64 1339807 5515869 5-73				74	18		15,692	3.72	583						
1473670 NICOLK WOODBINE ROYAL CHIEF...	35-75	32	2	12-21,35,	42	2.1	15,749	3.50	551	14	71	+1	-.06	-9	-7
01-17-65 1049402 4087599 5-73				55,91,93	58		15,898	3.59	571						
1473671 NICOLK MELODY ROYAL CHIEFTAIN.	35-75	19	2	10-31,35,	25	2.4	16,532	3.44	568	5	62	+325	-.09	-2	+8
02-03-65 957873 4450473 5-73				41,91,93	80		16,185	3.57	578						
1473688 BLUMCREST A ONE ALONZO.....		3	14	2-35,41	18	1.5	12,720	3.88	494	6	26	-342	+.06	-4	-14
02-06-65 1412433 5553622 5-73					5		14,017	3.65	512						
1473693 MANDRSPRINGS MASTER DAMDN.....*	21-10	41	1	2-13,21	49	2.1	16,131	3.45	556	14	75	+421	-.10	0	+13
10-15-64 1223243 5302237 5-73					26		15,701	3.57	560						
1473699 EASTHAVEN REFLECTION SKYROCKET*		9	2	3-31,32,	13	2.8	14,358	3.70	531	0	44	-320	+.03	-7	-15
01-01-64 1397466 5621077 5-73				63	22		15,163	3.64	552						
1473705 SIR ADLER SKOKIE CARNATION....*		1	24	1-21	24	1.8	11,129	3.59	399	32	25	-671	+.02	-21	-38
07-15-64 1421380 4982563 5-73					17		13,753	3.51	483						
1473709 ROBTHOM GENERAL VOYAGEUR.....	48-01	149	5	5-43,48,	396	1.6	15,289	3.45	528	15	94	+505	-.09	+5	+19
10-02-64 1210507 4128469 5-73				73,84,93	25		14,789	3.54	523						
1473714 LARKFIELD HILDA KING.....*		5	8	1-32	25	1.9	13,162	3.71	488	4	43	-374	+.10	0	-11
01-20-65 1292880 4356513 5-73					13		13,996	3.49	488						
1473719 KINGSTEAD ZEUS BURKE DUKE.....*		1	12	1-54	12	1.7	12,299	3.68	452	9	21	-360	+.06	-5	-15
11-23-64 1346850 5412511 5-73					8		13,951	3.42	477						
1473728 RUANN WAYNE JUPITER.....		13	28	1-93	130	2.0	18,962	3.57	677	11	62	+634	+.03	+28	+42
02-28-63 1330259 4916817 5-73					143		18,335	3.52	645						
1473735 SHANGHIGH IVANHOE DIAMOND.....*		1	20	1-31	20	1.8	13,831	3.90	539	7	24	+32	+.03	+6	+6
09-30-64 1418927 5655644 5-73					16		13,622	3.78	515						
1473756 LEA INN FOND ACE.....*		9	4	3-41,42,	18	1.7	12,341	3.43	423	35	42	-557	-.02	-23	-36
08-27-64 1415636 4515732 5-73				47	9		13,576	3.50	475						
1473757 LEA INN SENATOR B B.....		1	14	1-42	14	2.1	11,366	3.71	422	10	24	-145	-.02	-8	-11
08-10-64 1252985 5351598 5-73					11		11,717	3.86	452						
1473758 LEA INN SENATOR GOV BILL.....		1	20	1-42	20	1.3	11,306	3.70	418	0	22	-191	+.03	-3	-8
09-19-64 1252985 5351597 5-73					9		11,929	3.60	429						
1473790 EL PAJARO PIONEER.....*		8	3	2-48,93	16	1.5	17,257	3.59	620	18	41	+339	+.01	+14	+22
09-08-64 1292880 4631737 5-73					74		16,656	3.55	592						
1473814 DEWEYDALE ROBURKE DEAN.....	35-75	28	2	11-32,35,	40	2.8	15,722	3.60	566	3	72	+286	-.07	0	+9
08-14-64 1065220 4016909 5-73				41,55,93	74		15,429	3.70	571						
1473825 WOODS-CREEK DUKE MARK FERN....	35-75	33	1	12-21,23,	42	2.3	16,093	3.45	556	16	73	+658	-.14	+3	+22
02-01-65 1222994 4996280 5-73				35,55,93	37		15,273	3.64	556						
1473834 WULLIMAN SENATOR DYNAMITE.....*		5	20	2-32,55	30	1.7	15,211	3.56	542	17	33	+112	-.03	0	+3
06-24-64 1252985 5013884 5-73					14		14,921	3.65	545						
1473858 EDROY SENATOR WINDSOR.....*		3	25	1-82	29	1.5	14,139	3.59	508	13	27	-330	-.02	-15	-22
08-24-64 1252985 4503251 5-73					20		15,473	3.71	574						
1473894 FLINTSTONE PIONEER DEAN-TWIN..*		1	24	1-48	24	1.9	13,023	3.65	475	23	26	-98	+.02	-1	-4
08-25-64 1292880 4604695 5-73					10		13,301	3.61	480						
1473906 CLOVERTOP TRADEMARK SUPREME...*		4	4	2-22,51	11	1.6	12,746	3.84	490	45	31	-520	+.01	-18	-31
02-21-65 1440198 3353746 5-73					68		14,432	3.85	555						
1473936 RI-VAL-RE MUTUAL KING.....	35-75	23	2	11-21,35,	31	2.2	17,610	3.54	624	19	66	+892	-.04	+26	+48
12-26-64 1087974 4417955 5-73				41,55,93	92		16,454	3.60	592						
1473942 HOWACRES STYLEMASTER PRINCE...*	23-09	12	5	4-13,14,	30	2.2	17,429	3.49	609	7	55	+608	-.09	+8	+25
11-01-64 010241954 4820039 5-73				21,23	38		16,539	3.64	602						
1473945 EDELE JACKY CREATOR.....		2	8	2-32,33	10	2.6	13,026	3.98	518	10	25	-242	+.05	-1	-8
03-01-64 1280015 4681129 1-73					71		13,939	3.77	526						
1473964 USNAD STAR MAN GERBEN.....*		3	22	1-51	26	2.0	14,304	3.88	555	4	29	-32	+.05	+6	+4
12-01-64 1410984 4070991 5-73					81		14,419	3.73	538						
1473988 BROOKS TWAIN CARNATION HECTOR.*		2	5	1-23	10	1.4	16,279	3.56	579	**	26	-2	-.05	-7	-6
05-24-64 1321904 4102401 9-72					20		16,502	3.75	618						
1473999 VALENTIA EMPEROR JIM.....		1	16	1-51	16	1.5	16,765	3.67	616	**	23	+231	+.03	+12	+17
01-24-64 1392774 4479259 5-73					25		15,886	3.58	569						
1474035 MAYERS DUKE FLORA KNIGHT.....*		3	18	3-35,47,	26	1.5	12,466	3.82	476	4	30	-126	+.05	+2	-2
11-27-64 1293580 3666483 5-73				57	25		12,720	3.65	464						
1474037 MAYERS DUKE DIAMOND.....*		2	15	1-35	22	2.1	14,671	3.63	532	0	31	+324	-.01	+10	+18
12-14-64 1293580 3981608 5-73					13		13,545	3.68	498						
1474045 MAYERS PRINCE NOEL.....*		1	14	1-35	14	2.1	13,073	3.64	476	0	24	-237	-.01	-10	-15
12-22-64 1350699 4062308 5-73					9		14,030	3.71	521						
1474049 BUTTERCUP-Z PRINCE PRIDE.....*		7	29	3-35,52,	40	1.9	16,828	3.62	610	6	33	+499	-.03	+14	+27
12-20-64 1237057 4194813 5-73				73	31		15,415	3.72	574						
1474081 KRULL PROSPERITY BUTTER BOY...*		7	21	2-23,35	38	2.1	14,106	3.47	490	0	38	+33	-.05	-6	-4
12-14-64 1403477 4567669 5-73					10		13,978	3.62	506						
1474097 MY-T KENNEDY TRIUNE BESSIE....*		1	12	1-21	12	2.1	17,716	3.53	626	0	23	+409	+.01	+16	+26
09-27-64 1389471 3862825 5-73					33		16,090	3.47	559						
1474102 WILLOWLYN STAR MAN RINGO.....*		4	3	3-50,51,	10	1.5	11,467	4.06	466	0	29	-753	+.08	-16	-36
09-08-64 1410984 5223661 5-73				52	27		14,002	3.74	524						
1474105 KACHELMEIER LILA ADMIRAL DUKE.*		2	23	1-41	25	2.1	13,828	3.54	490	11	28	-65	.00	-2	-4
02-08-64 1237057 4528898 5-73					10		14,029	3.56	499						
1474111 WHITE HEIGHTS SUCCESSOR PAUL..		2	23	1-32	25	1.6	13,699	3.64	499	36	26	-43	-.01	-3	-4
05-29-64 1420323 5466774 5-73					10		13,811	3.71	512						
1474119 DIAMOND S VAR DUKE.....	35-75	28	2	14-21,34,	36	2.1	16,231	3.51	569	20	68	+529	-.06	+10	+24
09-26-64 1112211 4080984 5-73				42,55,93	31		15,573	3.59	559						
1474135 STILES FARM NATE.....*		3	16	2-12,13	20	1.8	13,112	3.77	494	13	27	-300	+.02	-8	-16
03-15-64 1291028 4915738 5-73					19		14,213	3.71	527						
1474187 WIL-BRUST EXCELLENT GINGER....		1	48	1-47	48	2.4	12,693	3.67	466	16	29	-161	.00	-6	-10
02-08-64 1418083 5086791 5-73					31		13,124	3.70	486						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS HM/DAU	REC/DAU HEROMATE	MILK	%	FAT	% 1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1474251 RINCON MAGIC ATLAS.....*		4	50	1-93	56	1.6	18,488	3.48	644	6	29	+283	-.01	+9	+16
10-20-54 1297472 4628503 1-73					55		17,848	3.48	622						
1474265 MAR-RIDGE SENATOR ESTEEM.....*		1	40	1-48	40	2.5	11,611	3.50	406	13	29	-423	+.01	-14	-24
10-05-64 1376402 5582814 5-73					19		12,939	3.49	451						
1474276 MR OE KOL ZELOENRUST.....*		1	10	1-51	10	1.3	10,722	3.56	382	0	19	-17	.00	-1	-1
01-18-55 1397752 5483443 9-72					17		10,420	3.66	381						
1474288 DEJTAR WISEGIS CHALLENGER.....	35-75	28	1	13-21,23,	35	1.7	14,795	3.70	547	37	66	-379	+.05	-6	-16
01-27-55 1179372 3548102 5-73				41,91,93	55		15,476	3.62	561						
1474292 EVERIGHT BABETTE BURKE CAPTAIN		1	10	1-23	10	2.8	13,537	3.75	507	0	23	-157	+.03	-2	-6
01-01-63 1144239 4685360 1-73					14		14,203	3.65	518						
1474299 FO-MA-TO-SA SKYHAWK VALIANT...*		13	6	4-47,48,	45	2.1	15,250	3.52	537	6	64	+295	-.04	+5	+13
08-26-64 1289574 5037739 5-73				73,93	17		14,830	3.58	531						
1474302 SILVER ACRES TENSEN M TEXAL...*		2	12	1-21	14	2.2	16,361	3.50	572	0	26	+216	+.02	+10	+15
12-02-63 010264804 011240592 5-73					42		15,652	3.43	537						
1474313 HAR-OI BURKE OATS FARM ELMER..		1	17	1-35	17	2.5	17,173	3.66	628	14	26	+177	.00	+7	+11
09-18-64 1329588 4817023 5-73					10		16,720	3.65	611						
1474327 STAUFFLAND DIRECT ROYAL HOPE..*		3	9	3-35,63,	15	1.7	13,207	3.73	493	0	30	-388	+.01	-12	-22
02-09-65 1352707 4120249 5-73				65	36		14,521	3.71	539						
1474328 YOLADIN MAJESTIC IKE.....*		2	18	1-23	20	2.0	15,523	3.72	577	10	27	-52	+.01	0	-2
10-23-64 1293580 4948583 5-73					19		15,870	3.67	583						
1474340 LACHUT COUNT MODEL MAKER-TWIN.*		5	9	1-12	20	1.6	14,819	3.81	564	45	36	-123	+.06	+4	0
11-30-64 1356097 4725912 5-73					24		15,254	3.66	558						
1474388 BARFARM RAG APPLE SHAMROCK....*		7	5	3-23,55,	17	1.8	17,151	3.27	560	20	39	+421	-.10	+1	+14
04-02-64 010260599 5576183 5-73				93	45		16,253	3.46	562						
1474410 IDEOGRAPH STANDARD MARKSMAN...*		2	22	1-93	24	1.8	17,414	3.53	614	13	26	+21	+.02	+3	+3
05-25-64 1373055 3301408 5-73					88		17,660	3.46	611						
1474421 OE-WA-SEE CARL P A CAPTAIN....*		1	13	1-34	13	2.5	15,204	3.37	513	0	25	+140	-.01	+3	+7
09-04-64 1443688 5664905 5-73					12		14,665	3.41	500						
1474427 GLAD-MAR WELT CHAMPION ADMIRAL*		1	15	1-51	15	2.2	15,002	3.95	593	8	24	+196	+.01	+9	+13
02-03-64 1237057 5127038 5-73					42		14,166	3.94	558						
1474506 SKAGVALE PRINCE PAUL.....*	91-13	1	16	1-91	16	2.8	18,556	3.81	708	0	27	+284	+.04	+16	+22
05-02-64 1259491 5830003 5-73					13		17,844	3.71	662						
1474525 SWAN VILLA SUPREME BUTTER BOY.*		2	17	1-45	25	2.5	12,098	3.85	466	16	34	+20	+.02	+4	+4
04-29-63 1098318 5333787 5-73					24		11,777	3.79	446						
1474543 MTN DAIRY IVANHOE TRUSTEE.....*		3	7	2-51,52	14	1.9	13,686	3.43	470	8	32	-17	-.04	-6	-5
11-09-64 1392774 5262769 5-73					15		13,672	3.57	488						
1474552 BO-K PRINCE SKYLINER.....*		3	6	2-31,34	11	1.9	11,563	3.45	399	18	28	-434	-.03	-20	-30
09-28-63 1244845 5059092 5-73					11		12,987	3.60	468						
1474556 ABBODALE DUKE KEYSTONE AAGGIE.*		1	12	1-21	12	2.4	12,105	3.85	466	13	24	-262	+.02	-7	-14
07-12-64 1291028 5524909 5-73					23		13,081	3.81	498						
1474560 PLAIN-D SCOUT FLAME.....		4	16	1-48	35	2.2	15,848	3.60	570	20	42	+23	-.01	-1	0
10-17-54 1433288 4735255 5-73					15		15,950	3.65	582						
1474565 OATS FARM DISTINCTION.....		1	36	1-93	36	1.6	20,327	3.41	693	11	26	+301	-.03	+6	+14
08-30-64 1237057 4671515 1-73					70		19,704	3.49	688						
1474567 OATS FARM SECURITY.....*		2	6	2-88,93	10	1.7	18,033	3.69	665	30	26	+293	+.02	+13	+20
10-02-64 1139324 4671516 5-73					22		17,166	3.65	626						
1474576 OOK BURKGOV SELECT.....	41-01	11	1	1-41	12	1.1	13,612	3.75	511	8	38	-435	+.06	-7	-19
02-08-65 1350550 5239194 5-73					17		14,810	3.60	533						
1474638 RIDGE FARM OEWY SUPREME.....	35-75	23	2	8-32,35,	34	2.0	16,786	3.51	589	11	66	+083	-.04	+18	+35
10-11-64 1385978 4583160 5-73				41,55,93	74		15,908	3.56	566						
1474658 B Y U JULIAN POTENTATE.....*		4	8	1-87	18	2.1	14,456	3.50	506	12	37	-362	.00	-13	-22
07-29-64 1292776 3929762 5-73					58		15,546	3.51	546						
1474663 OODRCO FONO MASTER ACE.....*		5	6	2-34,35	22	1.2	13,624	3.70	504	33	40	-488	+.01	-16	-28
10-17-64 1342919 5078163 5-73					16		14,888	3.69	550						
1474664 OODRCO MASTER OEAN.....		2	46	1-35	48	1.1	17,443	3.71	648	4	25	+315	+.04	+17	+23
10-15-64 1439109 5515379 5-73					9		16,361	3.59	587						
1474683 NORCLIFF ROBARON CHAMP.....*		4	7	1-86	17	1.7	16,045	3.30	529	30	36	+254	-.06	+1	+9
09-22-64 1313355 5392823 5-73					92		15,435	3.42	528						
1474684 NORCLIFF ROBARON MONARCH.....*		9	26	1-93	45	2.3	16,487	3.45	568	3	39	+37	-.06	-7	-5
09-28-64 1313355 4543973 5-73					37		16,616	3.59	596						
1474698 TORA HOPE NETHERLAND.....*		3	9	1-21	20	1.9	13,064	4.00	522	0	36	-488	+.15	+3	-12
29-08-54 1453996 4840243 5-73					25		14,422	3.56	514						
1474719 BELTER PIONEER GRANT.....*		8	1	1-41	10	1.5	13,535	3.61	489	30	35	-596	.00	-22	-36
01-12-65 1292880 4248235 5-73					19		15,329	3.64	558						
1474724 MELLOW-SIDE ADMIRAL PRINCE....		1	45	1-34	45	1.4	10,591	3.60	381	**	26	-288	.00	-10	-17
09-02-64 1290182 5870842 5-73					8		11,428	3.61	413						
1474725 COX PATTERN.....*		2	15	1-71	30	1.4	12,670	3.13	397	18	30	-333	-.02	-15	-22
10-21-64 1249430 4507017 5-73					19		13,517	3.20	433						
1474733 MAJR-LIND ABE HORNET.....		1	30	1-93	30	1.6	19,235	3.30	634	4	25	+57	-.08	-9	-6
12-02-54 1412599 4050844 5-73					83		19,521	3.54	691						
1474740 ANEOAW SIGNET BARTA.....*		11	1	3-35,41,	12	2.3	18,329	3.36	615	10	44	+1,371	-.14	+28	+65
01-16-65 1435523 4474385 5-73				46	11		15,321	3.62	555						
1474742 LA MARCH PONTIAC.....*		2	21	1-32	23	2.4	13,925	3.52	490	9	29	+161	-.03	+1	+6
11-22-54 1397752 5761351 5-73					29		13,245	3.64	482						
1474754 KOLK KING RUFUS.....*		4	7	3-14,51,	14	1.9	17,317	3.34	578	14	33	+721	-.09	+12	+32
01-13-55 1397054 5080894 5-73				52	71		15,177	3.58	543						
1474765 GREEN KNOB SATELLITE.....		3	26	2-61,63	43	1.7	14,958	3.51	525	10	36	+312	-.02	+8	+16
11-21-54 1243697 4392833 5-73					59		14,047	3.57	501						
1474776 MARLAU BRAUNS JEWEL.....		1	10	1-42	10	2.3	14,854	3.50	520	10	23	-20	.00	-1	-1
11-15-64 1318021 4667208 1-73					40		15,008	3.54	532						
1474777 LSU TEXAS IMAGE.....*		1	10	1-72	10	1.7	13,901	3.35	465	33	21	-124	+.01	-3	-6
10-15-54 1404195 4993600 5-73					49		14,526	3.29	478						
1474780 KANAWAKA LUCKY DOALL.....*	35-21	4	8	2-41,48	20	2.1	17,488	3.65	638	0	39	+945	+.01	+36	+58
03-06-64 1410117 4601836 5-73					17		15,133	3.61	547						

REGISTRATION NUMBER / NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HO	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS HM/DAU	REC/DAU HEROMATE	MILK	%	FAT	% 1ST INC	% REPT	PREDICTED DIFFERENCES MILK	%	FAT	$$
1474830 BRAINTRIM GLAMOUR BOY PRINCE..	72-01	36	3	4-63,64,	75	1.6	13,524	3.49	472	8	77	-325	+.02	-9	-17
09-09-64 1282185 4502211 1-73				65,72	25		13,897	3.46	481						
1474835 LEA INN SENATOR CROWN.....*		18	23	4-35,42,	59	2.0	14,863	3.57	530	4	48	+307	-.01	+9	+17
07-14-64 1252985 5055742 5-73				47,61	12		14,198	3.60	511						
1474837 LEA INN BUTTER BOY OORK ACE...*		2	37	1-42	56	1.7	11,863	3.59	426	5	35	-468	+.01	-16	-27
02-01-65 1373036 4731220 5-73					43		13,080	3.59	469						
1474862 BECKEROALE MAPLE OLIVER POSCH.*		1	33	1-35	33	1.9	11,759	3.88	456	15	26	-254	+.04	-4	-11
07-29-63 1386406 4832402 5-73					9		12,559	3.74	470						
1474903 FRAN-LAN OAGAN REX.....	35-75	19	1	10-21,23,	23	2.0	13,953	3.69	515	22	58	-398	+.05	-7	-18
10-03-64 1223243 4483551 5-73				31,35,93	80		14,664	3.61	530						
1474906 DISTINCTION ROYAL JULES.....*		1	14	1-35	14	1.6	10,608	3.80	403	14	22	-650	-.03	-27	-42
12-27-64 1305460 4207418 5-73					9		13,474	3.93	529						
1474948 APACHE CITATION COMANCHE.....*		4	23	1-86	47	1.7	14,131	3.44	486	34	40	-423	+.01	-14	-24
12-12-64 1492073 5591926 5-73					119		15,271	3.44	525						
1474958 LY-LOU GOLDEN HERITAGE.....	35-05	35	2	6-33,35,	49	1.6	15,592	3.60	562	13	72	+87	-.06	-6	-2
07-29-64 1373055 4456371 5-73				41,42,73	20		15,591	3.70	577						
1474959 BOBANOA MEISEGEIER GOOFREY....*		1	17	1-35	17	2.0	13,954	3.61	504	29	24	-162	-.02	-8	-11
12-08-64 1331314 4466007 5-73					15		14,648	3.71	544						
1474963 ROCKY TRAIL KEYSTONE FREO.....		3	11	1-23	17	1.6	14,994	3.59	539	**	29	+267	-.02	+7	+14
11-04-64 1291028 4600284 5-73					8		14,041	3.67	515						
1474974 PACLAMAR BUCKEYE.....*		1	15	1-31	15	2.1	15,518	3.71	575	0	25	-95	-.03	-7	-9
01-18-65 1429821 5158090 5-73					11		16,075	3.85	619						
1474975 PACLAMAR LONGEVITY.....	31-02	21	11	5-31,56,	67	1.7	15,675	3.37	529	13	62	+394	-.03	+10	+20
01-22-65 1429821 4754847 5-73				61,64,84	22		15,110	3.40	513						
1474976 PACLAMAR SENATOR MUTUAL.....*		8	3	4-35,41,	14	1.8	13,154	3.75	493	8	41	-686	+.02	-22	-39
01-01-65 1252985 5704430 5-73				43,47	23		14,896	3.72	554						
1474979 VALLA VISTA PACLAMAR TRIUNE...*		1	16	1-21	16	2.3	15,054	3.64	548	0	25	-8	.00	0	0
12-15-64 1436907 5745892 5-73					18		15,156	3.64	552						
1474981 CRAEBROOK WIL-O-WHIT OAOGA....*	21-10	56	1	2-13,21	63	2.1	15,180	3.56	541	15	80	-142	+.01	-4	-8
09-08-64 1223243 4761486 5-73					28		15,466	3.56	550						
1474997 CARNATION MAPLE COUNT.....		1	32	1-57	32	1.3	11,080	3.62	401	13	24	-572	+.01	-19	-33
02-24-65 010218036 5202497 5-73					24		13,375	3.61	483						
1475001 NILO SEARS NELLA.....*		4	9	2-21,23	22	2.2	15,332	3.40	522	5	41	-76	.00	-3	-5
09-23-64 1085978 5498105 5-73					61		15,646	3.41	533						
1475006 POLAND PIONEER ACE.....		1	17	1-52	17	1.6	14,291	3.62	517	0	23	+408	+.01	+16	+25
09-11-64 1292880 4202210 5-73					45		12,299	3.57	439						
1475029 WELLABE T M REFLECTION.....*		7	4	2-41,46	18	2.7	14,156	3.69	523	25	47	+225	+.03	+13	+17
12-28-63 1296576 5789123 5-73					10		13,595	3.63	493						
1475058 HYLAND-KB LEADER WINNIE.....*		1	27	1-16	27	2.7	17,195	3.60	619	4	28	+353	.00	+12	+21
08-11-64 1289744 4998830 5-73					39		16,097	3.61	581						
1475066 BRIGEEN CHIEF EBONY.....*		2	31	2-11,16	33	2.4	16,811	3.66	616	9	30	+240	-.05	+2	+9
01-12-65 1397517 5764237 5-73					45		16,178	3.83	620						
1475095 KERNOT MANCRYCO ABBEKERK.....*		4	7	1-42	14	2.2	11,928	3.61	431	**	34	-135	-.03	-9	-11
12-12-64 1251266 4983153 5-73					23		12,096	3.75	453						
1475109 EOH CHIEFTAIN BESS ROCKY.....		3	22	2-73,74	44	1.8	14,537	3.25	473	7	40	-289	-.03	-15	-21
06-04-64 1412161 4683213 5-73					16		15,359	3.33	512						
1475110 KIM-LYN CARLOTTA RAE.....*		1	14	1-31	14	1.7	13,577	3.84	522	0	23	-223	-.02	-11	-16
09-11-64 1246183 4246534 5-73					10		14,574	3.99	582						
1475138 WYSSLAND PARAGON LADDIE.....*	35-05	65	2	7-33,35,	93	1.5	14,514	3.70	537	19	82	-414	+.01	-13	-23
02-04-65 1413083 5510658 5-73				41,42,74	20		15,089	3.70	558						
1475144 DAWNCREST CHIEF LITTLE JOE....*		4	8	2-12,16	13	2.5	17,716	3.66	649	0	31	+114	+.05	+11	+12
09-20-64 1397517 5614310 5-73					32		17,670	3.54	625						
1475179 FORT-WAY LOCHINVAR REFLECTION.*		1	13	1-21	13	2.1	13,778	3.64	501	0	23	-142	-.01	-6	-9
02-21-65 1296576 4918472 5-73					18		14,392	3.70	532						
1475189 KER-KNOLL CHAMBRIC LED.....*		3	11	1-23	19	2.3	13,734	3.74	513	7	34	-307	+.01	-10	-18
11-04-64 1276654 3747753 5-73					35		14,680	3.75	550						
1475201 RETLAW DOUBLE FORTUNE.....*	35-21	13	2	6-35,41,	16	1.8	16,786	3.51	589	15	47	+876	-.06	+22	+45
06-12-64 1396885 4533856 1-73				47,74,84	19		14,989	3.64	546						
1475210 HAMLETTS ELAINE DESIGN JACK...		1	19	1-42	19	2.3	12,616	3.57	450	**	26	-181	-.02	-9	-13
04-10-63 1352967 4510896 1-73					6		13,200	3.67	485						
1475217 SOUTHSHORE GOLDIE LAD-TWIN....		1	26	1-45	26	1.5	14,813	3.38	500	**	24	+182	-.03	+2	+7
10-01-64 1398525 4531678 5-73					9		14,031	3.49	490						
1475218 SOUTHSHORE GOLDIE ROCKET-TWIN.		1	39	1-45	39	2.0	12,925	3.56	460	11	27	-216	+.01	-6	-11
10-01-64 1398525 4531678 5-73					19		13,641	3.53	481						
1475288 SANDY MEADOWS ORMSBY BEN.....*		1	15	1-21	15	2.4	15,281	3.57	545	0	25	+62	-.04	-3	-1
01-23-64 1282262 3874601 5-73					22		15,107	3.74	565						
1475304 LECAL HEADMASTER HIAWATHA.....*		3	7	1-11	10	2.3	16,328	3.61	589	20	27	-325	-.02	-14	-21
03-08-65 1349029 4492356 1-73					11		17,884	3.68	659						
1475321 KREMEIER PABST BLACK MAGIC....		2	50	1-73	54	1.7	15,590	3.79	591	19	28	+17	+.02	+3	+3
03-27-64 1210078 4260483 5-73					14		15,657	3.74	586						
1475344 EUSMITH FAYNE BURCAR.....		1	10	1-21	10	1.4	13,977	3.56	497	14	20	+19	+.01	+2	+2
01-08-65 1140763 4884563 1-73					21		13,826	3.52	486						
1475351 DELI PONTIAC GREAT IKE.....		1	12	1-33	12	3.1	11,573	3.67	425	0	25	-282	-.01	-11	-18
06-24-64 1311154 5298637 5-73					23		12,497	3.73	466						
1475363 BOI LAD RULER LONNIE.....*		4	24	2-23,51	45	1.8	14,812	3.79	561	9	39	+211	+.05	+15	+19
08-31-64 1281479 5658884 5-73					53		14,257	3.67	523						
1475380 PEDDADALE SANTA REFLECTOR....*		5	9	3-12,23,	17	1.4	18,282	3.53	645	18	31	+616	-.07	+12	+29
11-15-64 1343645 4910986 5-73				54	35		16,479	3.73	614						
1475392 GRAHAVEN KILOAIRE-TWIN.....*		6	20	2-14,16	29	1.9	16,867	3.76	635	7	32	+218	+.03	+12	+16
04-20-64 1492073 011132877 5-73					26		16,382	3.71	607						
1475449 AOJHR GOLDEN VICTOR.....*		8	13	3-51,52,	33	2.5	14,107	3.80	536	7	45	-389	+.01	-13	-22
12-21-64 1215448 5231014 5-73				54	36		15,089	3.80	572						
1475454 BUDD FARM BLACKIE.....*		2	11	1-34	13	2.0	13,119	3.64	478	**	25	-595	.00	-22	-36
09-04-64 1391048 5348153 5-73					14		15,627	3.69	576						

REGISTRATION NUMBER / NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES ND- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS HM/DAU	REC/DAU HERDMATE	MILK	% MILK	FAT	% FAT	1ST INC	REPT %	PREDICTED DIFFERENCES MILK	% MILK	FAT	FAT $$
1475465 VIGO GALAXIE LEADER.....*		2	23	1-35	25	2.2	15,894	3.93	624	0	28	+382	.00	+14	+23
01-18-65 1419005 4876597 5-73					20		14,528	3.98	578						
1475485 ACKLEYS UNEEDA PAT.....*	35-75	21	2	13-23,31,	28	1.9	15,632	3.55	555	21	61	+296	-.04	+5	+13
11-25-64 1291498 4981921 5-73				32,33,93	40		15,234	3.61	550						
1475488 MAPLESIDE CRISSCROSS HI HOPE..*		9	10	1-13	25	1.6	15,643	3.80	595	25	40	-56	+.08	+9	+6
08-01-64 1378594 4539533 9-72					15		15,941	3.63	578						
1475523 ELGOOD RAINBOW THOMAS.....*		1	23	1-31	23	2.4	14,726	3.48	513	9	27	+552	-.06	+11	+26
01-15-65 1181572 4766657 5-73					27		12,500	3.75	469						
1475524 WEINER POLYTECHNIC OLIVER.....	35-75	28	1	12-21,41,	34	2.1	16,314	3.65	596	15	67	+468	+.01	+18	+29
10-25-64 1310936 4671183 5-73				52,91,93	64		15,753	3.65	575						
1475568 FOBES WRS LOCHINVAR PRINCE....		2	8	1-42	10	2.6	11,198	3.32	372	20	24	-439	-.05	-23	-32
12-06-64 1210078 4306492 5-73					5		12,846	3.63	466						
1475574 ZELOENRUST ADMIRAL.....*		26	1	6-14,21,	30	2.0	15,091	3.53	533	0	65	+441	-.04	+10	+22
12-10-64 1370469 4795724 5-73				23,32,34	24		14,411	3.59	518						
1475586 MELLO-VAR GOLDEN ROD.....*		4	13	1-23	30	1.8	15,135	3.61	547	27	40	+157	.00	+5	+9
09-25-64 1337741 5247155 5-73					22		14,785	3.63	536						
1475587 MELLO-VAR MEADMASTER.....*		9	2	2-22,23	13	2.4	14,309	3.82	546	9	44	-159	+.05	+2	-3
10-27-64 1337741 5499847 5-73					22		14,701	3.70	544						
1475601 A J B AL GENERAL.....		3	14	2-21,34	18	3.0	12,294	3.71	456	11	31	-408	+.03	-11	-21
03-23-63 1215402 4029735 5-73					21		13,542	3.65	494						
1475634 BELVEDERE PRIDE DIXIE.....*		2	14	1-87	27	2.7	13,237	3.98	525	5	40	-238	+.07	+2	-6
12-21-63 1237057 4040534 5-73					5		13,743	3.79	521						
1475641 LOU-CHRIS FOND HOPE MAPLE-TWIN		1	43	1-64	43	2.1	13,505	3.58	484	10	28	-50	-.04	-7	-7
05-17-64 1243697 5573210 5-73					44		13,612	3.77	513						
1475650 FRANLANE DICTATOR INVINCIBLE..		2	6	1-93	10	2.2	15,258	3.67	560	0	28	-252	+.01	-7	-13
03-25-64 1204163 4810426 1-73					12		16,380	3.64	597						
1475667 BURKE CARNATION SKYLINER.....*		4	9	1-23	24	1.5	13,711	3.54	485	5	40	+99	-.02	0	+3
01-23-65 1244845 4102802 5-73					26		13,357	3.62	483						
1475689 JAMBAR WOODY BARON.....*		5	5	1-51	13	1.3	14,426	3.75	541	0	32	+58	+.01	+4	+5
10-21-64 1346121 5423373 5-73					39		14,227	3.73	531						
1475694 TYLER FARMS SENATOR BRIGEEN...*		5	7	1-13	20	1.5	15,302	3.81	583	0	37	-205	+.09	+5	-2
02-11-65 1252985 4248036 9-72					24		16,017	3.58	574						
1475697 CIMARRON ADMIRATION.....		3	10	1-73	17	1.4	13,383	3.27	438	24	28	-130	-.05	-12	-14
08-11-64 1237057 5244647 5-73					7		13,790	3.48	480						
1475698 IDEOGRAPH KENNEDY COMBINATION.*		4	17	2-84,93	35	1.5	16,398	3.43	562	20	37	+240	-.09	-5	+3
12-06-64 1389471 4007947 5-73					87		15,901	3.69	586						
1475735 BEN-ECK JEOIPUS.....*		2	11	2-21,43	13	2.2	14,284	3.30	471	9	25	+72	-.05	-4	-1
08-23-64 1433021 5975856 5-73					40		13,957	3.50	488						
1475745 EOH CRESCENT COUNT JOE.....*		6	3	4-43,48,	13	2.4	13,404	3.55	476	18	40	-323	+.05	-4	-13
06-09-64 1412161 5181252 5-73				71,73	29		14,188	3.42	485						
1475756 BOSQUE FOND HOPE JUPITER.....*		4	19	1-74	25	1.7	16,211	3.39	550	6	29	-136	+.03	-1	-5
03-05-65 1243697 5084175 5-73					62		16,930	3.32	562						
1475759 DELATI ELVIS OELLA ICON-TWIN..		2	15	1-22	23	1.6	16,033	3.42	548	20	31	+153	-.04	-1	+4
02-11-65 1303198 5139817 5-73					5		15,064	3.58	560						
1475765 BROWNVALLEY DUSTY BEA MASTER..*		3	14	1-23	21	1.8	11,403	4.03	459	9	30	-485	+.04	-12	-25
11-22-64 1320458 4297468 5-73					32		12,860	3.88	499						
1475773 PINE LEDGE SUPREME LEADER.....*		2	6	2-21,23	11	1.7	13,024	3.80	495	18	28	-205	+.02	-5	-10
03-05-65 1216957 6039815 5-73					13		13,679	3.76	515						
1475782 BREEZEWOOD TRIUMPH.....*		1	10	1-31	10	2.1	14,708	3.54	521	11	22	-334	-.01	-14	-22
03-06-65 1243697 3816059 5-73					17		16,420	3.62	595						
1475792 ROULETTE RAG APPLE OEAN.....*		3	5	2-35,58	11	2.6	14,940	3.51	525	9	33	-15	-.04	-6	-5
11-06-64 1386406 5609047 5-73					29		15,054	3.65	550						
1475883 COSH RIDGE SYMBOL VINCE.....*		2	8	1-21	10	1.7	12,904	3.66	472	14	23	-370	+.02	-11	-20
09-06-64 1392151 4476289 1-73					20		14,555	3.62	527						
1475895 HJERMSTAD LILAC JESS.....		1	26	1-41	26	1.1	16,330	3.74	610	0	22	+239	+.03	+13	+18
01-11-64 1216957 5298862 5-73					2		15,342	3.62	556						
1475901 ELSAESSER PERSEUS REMBRANDT...*		3	5	1-22	11	1.5	16,963	3.60	610	50	28	+288	-.01	+9	+16
02-22-65 D10250599 5441535 5-73					22		16,100	3.63	585						
1475903 AUSTIN-HOMESTEAD ADMIRAL.....*		1	15	1-21	15	1.7	13,836	3.56	492	15	23	+294	.00	+11	+18
10-23-64 1237057 5349110 5-73					32		12,353	3.53	436						
1475917 LUDVUE SENATOR OEAN.....*		11	2	4-41,42,	16	2.4	15,300	3.57	546	0	49	-36	-.05	-8	-8
02-23-65 1252985 5303956 5-73				46,47	10		15,485	3.67	569						
1475918 MACINTIRE MUTUAL MASTER.....	35-75	19	1	8-21,23,	21	2.1	17,489	3.31	579	5	57	+1,223	-.18	+16	+50
02-05-65 1387974 4286786 5-73				34,35,55	50		15,461	3.59	555						
1475921 GUNNULSON LEADER MAX.....*		1	13	1-35	13	1.2	11,520	3.66	422	**	20	-356	.00	-13	-21
09-24-64 1382768 4619977 5-73					12		13,167	3.71	489						
1475935 ESAJR OOWNS PETROW CRISSCROSS.*		13	7	3-41,45,	29	1.7	16,228	4.03	654	0	47	-122	+.22	+27	+18
02-05-65 1378594 4479944 5-73				84	16		16,720	3.62	606						
1475949 HUMMING-J MAGISTRATE CAPITAIN.*		2	9	2-35,51	11	2.0	14,038	3.65	513	40	24	-147	-.01	-7	-10
12-01-64 1249795 4740883 5-73					14		14,689	3.74	550						
1476012 LYNKHOLM S P JEWEL OF SHARON..*		7	8	2-21,22	21	2.1	19,097	3.44	656	11	41	+1,148	-.09	+27	+57
11-15-64 1442941 5081880 5-73					20		16,501	3.63	599						
1476018 DUNWORKEN LUCIFER CHIEF.....*		11	2	2-35,55	15	2.0	15,897	3.65	581	15	46	+179	+.02	+10	+14
02-23-65 1397517 5425076 5-73					17		15,633	3.60	563						
1476041 DIAMOND S SOVEREIGN KOLA.....*		1	44	1-93	44	1.8	15,346	3.82	586	12	27	-137	+.04	+1	-3
06-21-64 1382958 3903729 5-73					76		16,025	3.69	591						
1476049 SANDY FARM JERRY.....*		2	20	1-21	22	2.3	12,237	3.57	436	0	28	-443	+.04	-11	-22
10-03-64 1312008 4984456 5-73					5		13,715	3.46	475						
1476057 IONIA VALDESSA PABST SEGIS....*		1	22	1-34	22	1.8	11,739	3.63	426	37	25	-517	+.02	-16	-29
09-19-64 1380164 3090250 5-73					87		13,783	3.58	494						
1476102 BUDDALE PIEBE SKYHAWK.....		1	19	1-41	19	1.1	14,106	3.91	552	6	21	-101	+.05	+3	-1
11-01-64 1259574 4997351 1-73					6		14,611	3.71	542						
1476106 CEN-SEC DONNAMOKA JOE.....*	35-05	8	11	3-22,33,	32	1.8	16,083	3.66	589	28	44	+73	-.02	0	+2
01-26-65 1136334 4806960 5-73				35	13		16,087	3.73	600						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS HM/DAU	REC/DAU HERDMATE	MILK	% MILK	% FAT	% FAT	IST INC	REPT %	PREDICTED DIFFERENCES MILK	% MILK	% FAT	FAT $$
1476117 BREEDLOVES BEAUTY JOSE.....		1	49	1-57	49	1.7	12,917	3.83	495	11	27	-55	+.01	0	-2
10-11-64 1240549 3522447 5-73					17		12,983	3.83	497						
1476123 M V B A LAD TIDY REX.....	41-01	47	1	4-41,45,	54	2.0	14,787	3.62	536	15	77	+155	.00	+5	+9
11-12-64 1247008 4478527 5-73				82,87	19		14,607	3.64	531						
1476130 ALBERTVILLE BANNER RAG APPLE..*		5	12	1-35	31	1.8	15,274	3.93	600	15	42	+71	+.04	+9	+10
01-10-65 1329588 5164741 5-73					24		15,184	3.85	585						
1476152 KAHL TRIUNE PABST.....*		5	5	1-35	16	1.9	12,807	3.75	480	11	39	-355	+.06	-5	-15
01-01-65 1431863 3953133 5-73					23		13,653	3.61	493						
1476155 WEINER FLYING CLOUD BRAVO.....*		1	36	1-35	36	1.5	13,059	3.70	483	23	25	-60	-.01	-3	-4
10-12-64 1397517 4976140 5-73					24		13,179	3.76	496						
1476170 PUGET SOUND EXPECTATION.....*	93-19	34	3	5-33,35,	50	2.3	15,397	3.70	570	13	71	+554	+.03	+25	+37
09-26-64 010271846 5654930 5-73				41,42,47	13		14,638	3.67	537						
1476176 SKY VU ROCKET JUNIPTER-TWIN...*		4	8	1-41	15	1.3	15,811	3.55	561	21	28	+255	-.06	0	+8
03-28-64 1320094 5046886 5-73					19		14,957	3.82	571						
1476209 CROCKER NOBLE CELEBRATION.....*		4	19	1-31	29	1.6	15,660	3.65	571	0	32	+153	-.02	+3	+7
01-01-65 1444368 3407420 9-72					60		15,277	3.71	567						
1476235 DALE DELIGHT CHOICE SHERMAN...*		2	29	1-42	54	2.0	16,242	3.81	619	24	40	-128	+.07	+5	0
09-27-64 1237666 3627308 5-73					15		16,606	3.66	615						
1476243 KAECH FRASEA MAOCAP.....		1	15	1-91	15	1.9	13,578	3.56	484	**	24	+36	-.01	0	+1
09-02-64 1344679 4944203 5-73					21		13,517	3.60	479						
1476250 STEW-AN FARMS ABC TIP TOP.....*		6	15	1-21	25	1.4	12,423	3.51	436	9	32	-29	+.01	+1	0
10-29-64 1414917 5657510 5-73					42		12,308	3.45	425						
1476378 NSH MERTON JD BURKE LAUNT.....*		2	7	1-47	13	1.6	16,036	3.60	577	0	23	+56	+.03	+7	+7
10-06-64 1415356 5287814 5-73					78		15,962	3.47	554						
1476418 MARDY PATHFINDER COMMANDER....*		4	5	1-21	12	2.4	16,154	3.79	612	13	34	+274	+.12	+28	+31
11-14-64 1433368 3547155 5-73					22		15,461	3.43	531						
1476422 CRESCENT BEAUTY MONARCH.....*		2	22	1-35	24	1.7	12,546	3.75	470	15	26	-83	-.01	-4	-6
01-01-65 1316533 5466408 5-73					15		12,730	3.81	484						
1476447 SOVEREIGN FOBES POSCH.....		2	11	2-22,23	13	1.7	15,251	3.40	519	27	24	-152	-.09	-19	-20
12-23-64 1295576 3980113 5-73					12		16,056	3.81	612						
1476450 OARMONT TRIUNE PRINCE.....*		6	4	2-33,42	12	2.0	16,766	3.40	570	0	36	+681	-.10	+9	+28
11-11-64 1326679 3880303 9-72					10		14,917	3.67	547						
1476466 VALLA VISTA MARVEL PENNY.....*		9	6	4-47,48,	32	1.7	15,547	3.52	547	16	52	+176	-.05	-1	+5
02-20-65 1417703 5526700 5-73				73,74	18		15,239	3.63	555						
1476512 JAFS SKOKIE.....*		3	15	2-23,31	22	1.3	15,119	3.76	569	**	28	+278	+.01	+12	+18
04-05-64 1199324 3853556 5-73					21		14,101	3.73	526						
1476517 KNOLLSIDE CR-X SIGMUND.....*		2	29	1-41	31	2.2	15,062	3.79	571	23	28	+129	+.06	+13	+15
01-02-65 1441468 4324870 5-73					24		14,629	3.58	524						
1476519 KNOLLSIDE CR-X LYNDON.....		2	21	1-42	23	2.5	12,042	3.60	434	9	29	-293	+.04	-5	-13
01-20-65 1441468 4485837 5-73					6		12,919	3.48	449						
1476520 KNOLLSIDE CR-X MARCUS.....		1	41	1-41	41	1.6	12,374	3.76	465	20	26	+98	+.02	+6	+8
02-10-65 1441468 4883041 5-73					6		11,726	3.70	434						
1476528 BUTTE SKY PRIDE.....*		3	5	2-88,93	10	1.7	14,703	3.75	552	**	27	-125	+.02	-2	-5
08-29-64 1244845 5308440 5-73					33		15,257	3.72	567						
1476542 MAPLE MANOR JEO COLONEL.....*		3	9	1-32	12	1.6	14,827	3.68	545	8	25	+179	-.01	+5	+10
02-06-65 1437194 5455875 5-73					15		14,076	3.74	526						
1476566 BRISTOL ECHO RETURN.....		1	18	1-73	18	1.4	14,516	3.35	486	25	22	+71	-.02	0	+2
10-02-64 1434688 4594536 1-73					12		14,177	3.44	487						
1476576 TIDWELL BONHEUR LIFLOE PAT....		1	41	1-57	41	2.2	14,757	3.68	544	8	28	+272	-.01	+9	+16
08-06-64 1291498 5345094 5-73					29		13,731	3.72	511						
1476583 FIREYDALE ADMIRAL LAD.....*		7	15	2-23,51	28	2.6	17,113	3.62	620	4	39	+566	-.03	+16	+30
05-27-64 1237057 5072647 5-73					20		15,815	3.70	585						
1476598 FEARNLEY INSPIRATION TRIJNE...		1	12	1-23	12	2.3	12,499	3.55	444	0	24	-153	-.03	-10	-13
03-15-65 1261743 4425504 5-73					5		13,018	3.74	487						
1476632 REX MAOCAP.....		1	10	1-42	10	1.1	12,725	4.04	514	40	18	-467	+.03	-12	-24
01-13-65 1442653 5248971 5-73					3		15,394	3.84	591						
1476649 MACHAOD WOODBINE DUKE.....		1	16	1-93	16	1.3	14,224	3.62	515	**	22	-174	.00	-6	-10
12-09-64 1391977 3739881 5-73					79		15,108	3.65	552						
1476655 SMITHOLM STARGAZER.....*		3	32	2-23,47	36	1.5	12,465	3.73	465	9	28	-440	+.01	-14	-25
08-30-64 1321904 3841838 5-73					43		13,990	3.71	519						
1476662 STERK FOND NEPTUNE.....		3	27	1-93	42	2.1	18,669	3.46	634	8	36	+296	-.03	+7	+15
12-20-64 1243697 3775132 5-73					115		18,232	3.42	624						
1476663 STERK BRIGITTE DUKE.....*		5	14	1-93	45	1.9	17,683	3.41	610	8	49	-136	-.12	-22	-22
12-10-64 1357750 5212926 5-73					93		18,579	3.62	672						
1476673 RUSTIC ROCKET PONTIFF.....*		6	11	2-32,34	28	1.9	16,827	3.67	618	21	42	+142	-.05	-2	+3
11-07-64 1413165 4662977 5-73					16		16,718	3.80	636						
1476679 WIPLEDALE MARGE PRINCE REX....*	21-10	41	1	2-13,21	41	2.2	16,934	3.47	588	6	73	+836	-.06	+21	+43
10-16-64 1253152 4888504 5-73					26		15,948	3.54	564						
1476736 WOODNORTH FONOY PETE.....		1	11	1-35	11	1.0	14,875	3.72	554	9	18	+193	-.02	+4	+9
03-04-65 1429640 5575035 9-72					4		13,752	3.86	531						
1476759 MINNECHAUG VEE RICKY BEETS....*		2	28	1-16	33	2.5	19,493	3.67	715	3	32	+799	.00	+29	+48
08-18-64 1279964 5129504 5-73					48		17,259	3.67	634						
1476762 ENDERS FARM CENTURION BURKGDV.	23-13	87	2	5-23,51,	131	1.7	14,563	3.60	524	15	87	+35	-.06	-8	-5
02-26-65 010239301 5464248 5-73				52,54,55	29		14,536	3.69	536						
1476769 SWAMPY HOLLOW ROYAL HOPE.....	72-01	13	5	4-22,23,	40	1.8	13,517	3.48	471	11	60	-363	+.01	-11	-20
01-07-65 1243697 3890656 5-73				51,72	32		14,090	3.46	488						
1476774 DALEFORD DARK DEAN.....*		8	1	3-41,45,	10	1.7	14,693	3.67	539	25	36	+61	-.01	+1	+3
10-23-64 1444928 4923413 9-72				46	15		14,541	3.69	537						
1476786 REXSON SENATOR SKYLARK.....*		8	21	2-14,21	42	1.4	13,740	3.38	464	0	37	-236	-.05	-16	-20
11-07-64 1252985 5781261 5-73					26		14,376	3.55	510						
1476799 BEANEHAVEN SUPREME CYCLONE....*		4	15	2-33,35	28	2.0	13,773	3.57	492	26	37	-10	-.03	-5	-4
12-09-64 1341149 4448454 5-73					23		13,739	3.69	507						
1476801 WALLMAC L OSSIE VAR SAM.....		4	14	1-52	25	1.8	13,556	3.60	488	0	35	-64	+.02	0	-2
09-09-64 1421695 5436010 5-73					11		13,672	3.55	486						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS HM/DAU	REC/DAU HERDMATE	MILK	%	FAT	% FAT	IST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1476811 SANDHURST RENDBEL DUKE.....*	21-10	35	1	2-13,21	35	2.2	15,903	3.57	567	13	70	+84	+.02	+6	+7
01-28-65 1112211 4989726 5-73					25		15,937	3.53	562						
1476833 BASSWOOD-SPRINGS BURKE JIM....		1	13	1-33	13	2.7	15,655	3.83	599	15	25	-220	+.03	-3	-9
10-27-64 1167511 4452535 5-73					13		16,785	3.74	627						
1476853 DA-CO-TON DESIGNER.....*		8	4	4-41,42,	16	1.8	16,843	3.83	645	7	41	+563	+.01	+22	+35
03-14-65 1406271 5482576 5-73				46,47	14		15,600	3.84	599						
1476866 COLO-SPRING FREDDIE DUKE.....		2	13	1-35	17	1.8	15,546	3.78	587	6	27	-7	+.03	+4	+3
01-07-65 1330987 5272333 5-73					14		15,706	3.68	578						
1476867 GODDSONS STYLEMASTER WALDO....	35-75	25	1	10-23,35,	27	2.2	15,971	3.52	562	21	64	+25	-.02	-2	-1
01-26-65 1175471 4477243 5-73				41,55,93	51		16,103	3.55	572						
1476907 TARA-HILLS HIGHCROFT-TWIN.....*		1	25	1-21	25	1.5	14,404	3.84	553	24	24	-246	+.03	-5	-12
02-02-65 1443217 5685625 5-73					22		15,548	3.76	585						
1476916 NEO VALLEY OAKS GYPSY LUCROSS.		1	14	1-42	14	1.7	11,394	3.80	433	25	23	-329	+.03	-8	-17
10-10-64 1423201 4834084 5-73					25		12,677	3.68	466						
1476935 RUBANZ EMINENT TOPPER.....*		6	6	1-84	20	2.2	14,072	3.31	466	12	43	+31	-.04	-4	-2
01-18-64 01027+514 4909840 5-73					25		13,956	3.38	472						
1476966 SQUAREFORTY IDEAL PILOT.....*		5	8	1-34	15	1.9	14,874	3.58	533	21	31	-298	.00	-11	-18
11-25-64 1175596 5258872 5-73					54		15,995	3.61	577						
1476997 ARNEVALE IDEAL COMET.....		2	21	1-35	23	2.2	12,075	3.43	414	9	28	-151	.00	-6	-9
01-15-65 1406548 4917876 5-73					14		12,424	3.46	430						
1477033 EVER MAY WARRIOR.....*		5	14	1-92	24	2.3	14,682	4.08	599	0	36	-172	+.06	+3	-3
10-03-64 1307195 5417685 5-73					23		15,252	3.93	599						
1477056 D TIDY BURKE CHAMPION.....*		6	14	4-33,43,	26	1.8	15,528	3.59	558	12	35	-9	+.02	+2	+1
04-12-64 1098656 5346035 5-73				47,74	70		15,687	3.54	555						
1477064 OUWERKEN IRENE IVANHOE.....*		1	12	1-35	12	1.5	16,800	3.64	611	0	21	+171	+.02	+9	+13
03-24-65 1397517 4844892 5-73					12		16,155	3.55	574						
1477072 BAN-HARAM WONDER RAG APPLE....*		1	13	1-54	13	2.9	15,302	3.69	564	0	26	+129	+.02	+7	+10
01-29-65 1329588 5466814 5-73					41		14,846	3.64	541						
1477075 KILINSDALE FOND FRITZ.....	21-10	57	1	5-11,12,	65	2.0	15,562	3.70	576	13	80	+139	+.01	+6	+9
12-02-64 1243697 3969975 5-73				13,14,16	27		15,500	3.70	574						
1477079 WEARY RIVER STAR.....		5	6	1-93	22	1.6	17,558	3.44	604	21	43	-149	-.04	-11	-14
01-01-65 1136564 5306011 5-73					127		18,296	3.52	644						
1477121 J-T CONQUEROR FABES.....	31-07	17	2	1-63	31	2.1	15,098	3.46	523	15	62	+419	-.10	+1	+14
12-24-64 1296729 5195736 5-73					29		14,431	3.62	522						
1477122 WESTFALL GLAMOUR BOY PHOENIX..		2	13	1-54	23	1.6	15,442	3.54	547	10	33	+294	-.07	0	+9
11-30-64 1232165 4929971 5-73					79		14,563	3.60	554						
1477184 EL-LYNDD IVANHOE TIM PERRY....*		3	9	2-23,57	13	2.2	16,539	3.50	579	0	28	+137	-.05	-2	+3
11-10-64 1443869 4478123 5-73					16		16,230	3.67	596						
1477185 LINLAWN BURKGDY COUNT-TWIN....	35-75	34	1	10-21,35,	42	2.2	16,027	3.61	579	15	72	+323	-.05	+4	+13
11-06-64 1223243 4966023 5-73				41,91,93	44		15,711	3.69	580						
1477191 FRAN-LAN GRANDIER PRINCE.....	35-75	25	2	10-21,32,	32	2.0	14,624	3.63	531	22	60	-703	+.04	-20	-38
02-01-65 1277619 4900413 5-73				35,55,93	89		15,840	3.59	568						
1477192 MAR-TESS DESIGN.....	41-01	58	2	2-41,45	75	1.9	14,446	3.86	558	12	81	-258	+.24	+24	+12
12-11-64 1243697 4868826 5-73					20		14,809	3.57	529						
1477208 LYMAN-FARM AAGGIE HOPE.....*		9	24	2-21,22	65	1.9	15,385	3.52	542	21	48	-349	-.03	-17	-25
09-27-64 1243697 4421654 5-73					27		16,300	3.59	585						
1477213 HOL-ARA ELBA CLYDE.....		2	23	1-32	25	1.7	14,073	3.41	480	4	27	-272	-.01	-11	-17
10-06-64 1199324 5075096 5-73					14		15,176	3.47	527						
1477216 MORRISOON PONTIAC OSCAR.....*		3	6	1-22	14	2.1	15,613	3.75	586	0	34	-36	+.01	0	-1
01-19-65 1397752 4424471 5-73					23		15,872	3.76	596						
1477223 PINE ANGLE IVANHOE MARVEL.....*		1	20	1-35	20	2.1	14,036	4.05	568	5	26	-476	+.07	-8	-21
12-22-64 1424849 4265859 5-73					16		16,065	3.62	614						
1477230 HILLRON GRAPHIC ANNETTE.....*		3	6	1-34	16	2.0	14,291	3.45	493	10	38	+50	-.06	-7	-4
10-15-64 1320015 4581843 5-73					16		14,133	3.64	514						
1477232 PAL-VER BURKE ORMSBY SIM.....*		1	10	1-32	10	2.7	14,586	3.96	577	0	23	-105	+.04	+2	-2
01-02-65 1283917 4980198 5-73					39		15,115	3.80	575						
1477233 OIX HILL PIONEER FRED.....		1	10	1-55	10	1.2	18,252	3.63	663	0	19	+266	-.01	+8	+15
01-07-65 1352953 4087097 1-73					4		17,089	3.70	633						
1477247 TD-MAR CROSS FIRE.....*		2	12	1-42	24	1.8	11,206	3.87	434	8	36	-706	+.03	-22	-39
10-02-64 1378594 5558664 5-73					47		13,029	3.81	496						
1477250 E-Z ACRES PABST A CELEBRITY...	21-10	55	1	4-12,13,	58	2.4	15,823	3.64	576	8	80	+14	+.07	+10	+9
10-20-64 1171458 4756706 5-73				21,63	25		15,963	3.56	569						
1477251 HOME PARK ADMIRAL PAL.....*		1	13	1-35	13	1.4	13,796	3.46	477	30	21	-66	.00	-2	-4
03-15-65 1237057 4643235 5-73					8		14,088	3.48	490						
1477266 FORSBERG SENATOR ORMSBY.....		2	41	1-48	43	2.0	13,097	3.63	475	7	28	+274	+.01	+11	+17
04-21-63 1367352 4715387 5-73					6		11,877	3.59	426						
1477271 SHOR-POLL SKY ALMA LAD.....		3	30	2-21,41	36	2.3	13,353	3.50	468	5	32	-209	+.01	-6	-11
04-23-64 1402764 5297961 5-73					12		13,976	3.48	486						
1477300 SKOKIE SKY CHIEF.....	93-02	11	109	3-32,86,	167	1.4	14,785	3.63	536	16	36	-113	+.03	0	-3
01-22-65 1435720 4848629 5-73				93	290		15,184	3.56	541						
1477305 WIS BANANZA.....*		3	26	2-31,35	32	1.9	14,087	3.78	532	0	30	+127	+.02	+7	+10
01-06-65 1435684 5629273 5-73					34		13,577	3.73	506						
1477321 HIAWATHA LEON PONTIAC.....*		1	18	1-35	18	2.4	14,437	3.48	502	8	26	+150	-.04	0	+5
09-26-64 1397752 4570166 5-73					12		13,804	3.61	499						
1477340 KENHOF PIONEER R A.....*		3	7	1-33	14	1.2	14,613	3.77	551	56	28	+181	+.01	+8	+12
11-27-64 1292880 3959619 5-73					13		13,929	3.77	525						
1477355 SALINE VALLEY LOPEZ CARLOS....*		2	14	1-48	27	2.0	14,381	3.44	494	15	38	-4	-.03	-4	-3
11-04-64 1255434 3909403 5-73					46		14,394	3.51	505						
1477356 OARK CHAMBRIC BENJAMIN.....*		2	6	1-71	11	1.3	13,713	3.44	472	0	27	-553	+.04	-15	-29
01-24-65 1283917 5125704 5-73					29		15,962	3.33	532						
1477358 VALLEE COTE BUR EMPEROR.....*		2	8	1-21	10	2.8	14,972	3.69	552	0	26	-77	+.02	0	-2
11-16-63 1140763 4579053 5-73					14		15,369	3.66	562						
1477370 BRISTOL BARON COUNT.....*		4	9	3-35,73,	20	1.7	17,353	3.61	627	28	35	+82	+.03	+7	+8
10-23-64 1404687 4246700 5-73				85	28		17,435	3.54	617						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS HM/DAU	REC/DAU HERDMATE	MILK	% FAT	FAT	% 1ST INC	REPT %	PREDICTED DIFFERENCES MILK	% FAT	FAT $$
1477381 UTAG IVANHOE ULTIMATE.....*	35-75	165	3	24-21,35,	266	1.5	16,519	3.64	602	10	92	+784	+.06	+37 +54
11-14-64 1189870 4745926 5-73				41,87,93	33		15,811	3.59	567					
1477390 UCONN ADMIRAL FOBES.....*		3	7	3-16,48,	10	1.4	18,260	3.31	605	30	24	+157	-.05	-2 +3
01-23-65 1179373 4343589 5-73				93	16		17,952	3.50	628					
1477433 WINTERMEN MONITOR DESIGN.....		3	11	1-21	28	2.3	14,974	3.53	529	21	43	+54	+.02	+5 +6
08-20-64 1298378 5348309 5-73					46		14,899	3.47	517					
1477454 CLAR-MAR CRISSCROSS KING.....*		7	6	2-23,31	15	1.7	13,955	3.81	532	11	35	-204	+.05	0 -6
09-28-64 1378594 5009716 5-73					18		14,562	3.67	535					
1477467 SUN-BEN OJNLOGGIN PIONEER.....*		2	9	1-21	11	2.1	15,018	3.39	509	**	25	-139	+.04	0 -4
10-13-64 1292880 4938539 5-73					28		15,722	3.23	508					
1477476 DAIRYFOLKS MADCAP ADMIRAL.....*		4	16	2-92,93	21	1.9	16,536	3.49	577	0	30	+445	-.07	+6 +18
01-09-65 1277619 5118792 5-73					35		15,110	3.71	560					
1477479 PINEY-MAR REFLECT SKOKIE.....*		1	10	1-23	10	1.6	14,590	3.57	521	0	20	+180	-.02	+4 +9
02-12-65 1373058 5475088 9-72					23		13,621	3.66	498					
1477527 PIPER VIEW NEWCOMER IDA.....*		4	9	3-32,35,	14	1.4	12,470	3.87	482	23	27	-481	+.03	-13 -25
01-30-65 1390265 4369643 5-73				73	41		14,231	3.75	534					
1477530 SWAN VILLA SKY EMERY.....		2	9	1-45	18	1.8	10,798	3.98	430	29	33	-422	+.04	-9 -23
09-02-64 1402764 4558685 5-73					17		11,813	3.83	453					
1477533 VIGO ROCROSS.....*		7	7	4-31,32,	17	1.8	17,305	3.65	632	13	35	+356	+.01	+14 +22
01-02-65 1303198 5715234 5-73				33,61	13		16,490	3.63	599					
1477548 CLOVERBROOK PRINCE PHILLIP....		1	22	1-42	22	1.6	14,088	3.87	545	24	24	-32	+.01	0 -1
01-25-65 1315612 4378608 5-73					7		14,207	3.90	554					
1477576 ADDHR GOLDEN BONANZA.....*	93-02	3	22	1-93	29	1.4	14,237	3.32	473	21	29	-213	-.07	-17 -20
09-30-64 1215448 4641315 5-73					338		15,050	3.57	538					
1477577 ADDHR VICTOR MDE.....*		18	2	4-43,84,	30	1.9	16,129	3.60	580	10	61	-605	+.03	-18 -33
10-08-64 1274685 4345227 5-73				91,93	76		17,427	3.56	621					
1477587 COLRIDGE FREEBAER DIAMOND.....*		1	46	1-84	46	1.2	14,892	3.01	448	4	24	-41	-.01	-3 -4
09-17-64 1296576 5060451 5-73					34		15,141	3.04	460					
1477601 ROYAL ORMSBY.....*		6	8	3-13,14,	18	1.8	13,779	3.54	488	13	34	-379	-.06	-22 -30
12-01-64 1397752 4242095 5-73				52	25		14,939	3.74	559					
1477615 ELI STEVE MAPLEWOOD.....		2	22	1-33	30	2.1	14,141	3.40	481	4	32	-182	.00	-7 -11
10-25-64 1379024 5071636 5-73					13		14,745	3.41	503					
1477622 LUMSDEN RINGO.....*		12	1	3-11,12,	14	2.1	16,210	3.91	634	17	46	-155	+.17	+18 +10
11-04-64 1293580 3964432 5-73				13	23		16,789	3.59	602					
1477633 GRAF ACRES FAY FAME.....*		2	36	1-34	38	2.0	15,482	3.76	582	0	28	+397	-.01	+13 +23
11-22-64 1407874 5062617 5-73					43		14,032	3.83	537					
1477640 GROEN FARM MASTER DUKE.....		1	24	1-34	24	2.2	15,978	3.91	625	5	26	+110	+.01	+5 +7
02-04-65 1222994 4351536 5-73					23		15,693	3.91	614					
1477657 MIL-KET REFLECTOR PABST.....*		1	10	1-22	10	1.2	13,479	3.97	535	10	19	-62	+.04	+4 +1
11-14-64 1298831 5478121 9-72					34		13,753	3.74	515					
1477701 PHIL-TON LEADER SEGIS MARK....		1	22	1-41	22	1.9	15,069	3.84	578	5	25	+174	+.01	+8 +12
02-09-65 1411971 5512077 5-73					10		14,369	3.83	550					
1477743 GGG CHAL VALIANT.....*		8	3	1-42	18	1.8	14,511	3.70	537	24	46	-195	+.02	-4 -9
12-14-64 1291499 5234050 5-73					15		14,999	3.68	552					
1477744 GGG TRITONIA SUNSHINE.....		1	14	1-42	14	2.1	10,318	3.78	390	0	24	-324	+.02	-9 -17
01-20-65 1406271 4777172 5-73					4		11,368	3.72	423					
1477754 ARLINDA CHIEF ARISTOCRAT.....	33-03	2	29	1-93	45	1.6	20,374	3.43	699	2	34	+815	-.03	+25 +45
01-28-65 1427381 5396492 5-73					127		18,350	3.46	635					
1477758 SAGUARO THREE 88E BERT.....		1	26	1-86	26	1.5	14,658	3.32	487	5	24	-55	-.03	-6 -7
03-13-65 1271557 4499535 1-73					37		14,959	3.45	516					
1477787 SKOKIE GLAMOUR DUKE.....*		1	14	1-61	14	1.3	9,644	3.58	352	**	21	-120	.00	-4 -7
01-14-65 1288610 4519556 5-73					14		9,983	3.62	361					
1477789 SKOKIE COMET SENSATION.....	61-02	42	2	3-32,33,	62	1.6	15,127	3.62	548	15	76	+123	.00	+4 +7
01-03-65 1280015 4574586 5-73				34	19		15,030	3.63	545					
1477792 SKOKIE MISTER MEMORY.....		1	25	1-35	25	1.2	13,970	3.44	481	18	23	+54	-.01	0 +2
10-09-64 1441299 5393268 9-72					22		13,659	3.54	483					
1477795 RUSH FORK SENSATION PAT.....*		2	15	1-55	17	1.5	14,369	3.39	494	13	24	-441	-.01	-17 -27
03-09-65 1291498 4435205 1-73					44		16,642	3.44	573					
1477806 OWEN IDEAL REFLECTO.....*		8	11	2-31,57	32	1.7	16,410	3.30	542	8	44	+505	-.11	+2 +17
07-24-64 1398656 5398031 5-73					13		15,358	3.51	539					
1477844 DUNHILL PONTIAC ROYAL FOBES...*		9	2	1-21	14	1.8	15,063	3.33	502	**	43	-78	-.07	-13 -13
05-03-63 1397752 5650606 5-73					21		15,340	3.50	537					
1477850 DODS TIDY LUSOVAUTGO KING.....*		1	10	1-12	10	1.9	16,421	3.79	622	0	21	+47	+.01	+3 +4
02-01-65 1281479 4903007 5-73					28		16,399	3.77	619					
1477877 LYTLE I A CHAMP.....*		1	16	1-23	16	2.2	16,078	3.58	575	13	25	+299	-.02	+8 +16
01-14-65 1438534 5287255 5-73					29		14,921	3.67	547					
1477883 STRICKLER MERRIT ALVIN.....		3	17	1-48	24	1.2	12,274	3.88	476	13	28	-462	+.05	-9 -21
02-07-65 1388721 5180577 1-73					11		13,932	3.68	512					
1477932 COLO-SPRING SKY ROCKET.....*		6	12	2-35,83	20	1.6	13,853	3.41	472	17	31	-161	-.08	-17 -19
11-12-64 1397466 3572536 5-73					14		14,368	3.70	531					
1477936 GRAY VIEW BELINA COMMODORE....*		7	9	1-42	25	2.0	15,064	3.82	576	5	42	+118	+.07	+14 +15
10-17-64 1396617 5537226 5-73					12		14,826	3.68	545					
1477951 L STABLES PETER ACE.....		1	10	1-35	10	1.2	16,916	3.68	622	0	19	+360	-.03	+9 +18
01-03-65 1224496 4993843 5-73					9		15,044	3.86	580					
1477970 LORENZOELL ORMSBY VIGO.....*		4	7	1-35	19	1.7	14,495	3.50	507	0	37	+165	-.02	+3 +7
11-10-64 1335721 5014549 5-73					26		14,014	3.55	498					
1477973 LY-PH ROYAL PONTIAC.....*		2	13	2-23,35	15	1.9	16,653	3.56	593	14	25	+80	-.04	-3 0
10-17-64 1431771 5533508 5-73					12		16,551	3.74	619					
1477982 HICKORYMOOR ANDY IVANHOE.....		1	12	1-42	12	2.3	14,630	3.74	547	9	23	-72	.00	-3 -5
11-19-64 1302712 5624937 5-73					13		15,003	3.79	568					
1477999 COLL-MOR ADDHR DIX IDEAL.....*		7	6	1-48	21	2.3	14,748	3.59	529	**	46	-61	-.06	-11 -11
10-27-64 1250405 4961429 5-73					25		14,939	3.74	559					
1478014 DIAMOND J IVANHOE V I P.....*	91-11	279	4	32-21,35,	460	1.5	15,849	3.70	586	15	95	+636	+.05	+30 +44
11-29-64 1189870 5388292 1-73				42,91,93	31		15,267	3.65	558					

REGISTRATION NUMBER / NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES AND- WITH MOST DAUS	DAUGHTERS AND HERDMATES ... DAUS HM/DAU	REC/DAU HERDMATE	MILK	% MILK	FAT	% FAT	IST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1478615 DIAMOND J IVANHOE PLUS.....*		8	3	3-84,91,	18	1.3	15,984	3.50	559		0	42	-570	+.01	-19	-33
01-28-65 1189870 5010652 5-73				93	51		17,672	3.49	616							
1478631 CHOICE GEMINA DJKE.....		3	15	1-42	26	2.0	13,928	3.60	501		9	35	-54	+.02	+1	-1
11-03-64 1237666 5655421 5-73					6		14,051	3.54	497							
1478638 EL CANON ELATOR.....*	93-19	4	28	3-41,84,	34	1.5	16,585	3.26	540		0	28	+583	-.06	+12	+28
12-04-64 1380371 5235763 5-73				86	16		14,524	3.41	495							
1478680 DAVISLAWN REMER DEAN TARZAN...	35-75	29	1	12-35,41,	37	2.3	15,453	3.62	560		6	70	-249	.00	-9	-15
09-13-64 1000390 3605693 5-73				42,91,93	58		15,980	3.63	580							
1478681 JEMAY FOND HOPE PRINCE.....		5	5	1-61	13	1.8	13,607	3.31	451		13	32	-278	-.03	-14	-20
03-24-64 1243697 4925190 5-73					28		14,482	3.41	494							
1478135 SKOKIE ASTRONAUT.....*		2	19	1-34	21	2.4	17,047	3.33	567		20	28	+61	-.10	-12	-8
07-17-64 1288610 4291078 5-73					22		17,100	3.66	626							
1478153 VALMEDO STAR JUPITER.....*		1	15	1-31	15	1.5	15,304	3.80	581		20	22	-68	+.01	-1	-3
01-26-65 1274923 4925239 9-72					12		15,753	3.80	599							
1478158 THONYMA OJUBLE SENATOR.....*		7	5	2-48,73	20	2.1	15,602	3.66	571		18	46	+269	-.03	+6	+13
08-21-64 1252935 5692913 5-73					15		15,090	3.73	563							
1478172 EXRANCO ALAMO.....	93-03	3	14	1-93	18	1.8	16,999	3.56	606		40	27	-170	-.01	-8	-12
01-27-65 1341529 5058744 5-73					198		17,989	3.62	652							
1478174 EXRANCO POND REFLECTION.....	93-03	31	16	1-93	182	1.6	16,766	3.73	626		9	77	-332	+.15	+9	-3
02-25-65 010229512 5058741 5-73					119		17,511	3.57	625							
1478175 REFLECTION RADAR.....*		10	24	9-13,21,	41	1.9	13,505	3.56	481		14	36	-386	-.02	-17	-26
08-19-59 010242033 5310727 5-73				33,34,41	350		14,590	3.65	533							
1478202 FILCO GOLDEN SUNSHINE.....*		12	7	4-41,45,	25	2.0	15,155	3.60	545		14	47	+318	+.03	+16	+23
12-08-64 1406271 5786577 5-73				46,47	20		14,481	3.52	510							
1478205 FILCO DARK SUNSHINE.....*		5	9	2-41,46	22	1.8	17,158	3.75	643		10	39	+372	-.01	+12	+21
02-18-65 1406271 4872463 5-73					15		16,408	3.80	624							
1478250 BUCHER VIEW JESSIE LAD.....*		1	16	1-41	16	1.9	13,839	3.45	477		**	24	+3	-.03	-4	-3
07-03-64 1247009 4564353 5-73					4		13,764	3.59	494							
1478257 HARVEY JASPER ALAN.....*		4	6	1-35	15	1.9	11,544	3.43	396		9	36	-132	-.03	-9	-11
01-25-65 1432837 4376035 5-73					24		11,643	3.56	415							
1478273 TEE-DEE WIL DAGAN DAWSON-TWIN.	21-10	32	1	2-13,21	32	2.4	15,235	3.64	554		7	68	+48	+.04	+8	+8
09-16-64 1223243 4941564 5-73					20		15,251	3.57	545							
1478283 CAL-CLARK EXCLAMATION.....	35-05	6	23	1-93	49	1.4	19,022	3.37	641		8	39	+479	-.02	+15	+27
04-05-64 1378594 4403445 5-73					303		18,151	3.37	612							
1478290 OLDSPRINGS BELL SUPREME BOSS..*		1	13	1-56	13	1.9	16,149	3.49	563		22	23	+133	-.03	+1	+5
11-07-64 1341149 4063660 5-73					30		15,697	3.57	561							
1478294 BRIGEEN STYLEMASTER.....*		7	4	3-11,16,	19	1.8	15,401	3.88	597		18	46	-54	+.07	+8	+5
11-10-64 010241954 5161125 5-73				21	28		15,647	3.74	585							
1478308 RIGGS-LANE SKY BUTTER.....		2	10	1-51	20	1.9	14,270	3.88	553		7	35	-146	+.07	+5	0
01-10-65 1365401 5569455 5-73					30		14,721	3.68	542							
1478311 CHAPEL BANK NORMASEN.....*		1	18	1-21	18	2.0	9,929	3.66	363		12	25	-259	+.04	-3	-10
12-21-64 1252985 3955728 5-73					19		10,603	3.44	365							
1478338 ALRADA REFLECTION COMMANDER...*		7	2	1-23	12	1.9	14,448	3.68	532		17	39	-345	-.01	-14	-22
02-01-65 1306477 4514026 5-73					17		15,450	3.73	577							
1478374 VIVALE SPOT PABST MAYTAG.....*		2	13	2-23,33	20	1.5	14,040	3.75	527		0	30	+295	+.01	+12	+19
03-23-65 1438558 4631124 1-73					13		12,909	3.75	484							
1478380 MEINACRES THORD REGAL LEADER..		2	14	1-35	16	2.0	13,788	3.74	516		8	25	-382	.00	-14	-23
05-23-63 1259069 3589255 5-73					18		15,396	3.77	581							
1478386 E-Z ACRES KORNDYKE CONQUEROR..*	55-01	8	9	1-55	44	2.1	17,322	3.68	638		17	57	+107	+.01	+6	+8
03-07-65 1296729 5502428 1-73					39		17,439	3.66	639							
1478410 OATS FARM CHIEF IVANHOE.....		6	6	3-23,88,	22	2.0	17,224	3.68	634		12	44	+375	+.09	+27	+34
02-25-65 1397517 3693720 5-73				93	43		16,595	3.49	579							
1478455 ATHLONE SOVEREIGN.....*		4	5	2-48,74	13	1.5	12,978	3.74	485		23	32	-741	+.05	-20	-39
04-28-65 1296576 5550318 5-73					37		15,383	3.59	553							
1478458 KENICH HOPE DEXTER.....*		1	10	1-35	10	1.4	14,934	3.83	572		14	19	-96	+.04	+2	-1
01-08-65 1243597 5385427 1-73					16		15,555	3.63	564							
1478480 OREGON BARON COMMANDER.....		2	39	2-91,92	46	2.3	18,533	3.27	606		2	33	+482	-.11	+1	+15
03-01-65 1308796 3721037 5-73					91		17,350	3.53	613							
1478482 BREEZELAND PANSY PRIDE ADMIRAL*		3	5	2-42,47	11	2.0	14,306	3.56	509		20	30	+53	-.01	0	+2
04-30-64 1237057 3353483 5-73					20		14,098	3.62	510							
1478487 HEERSCHE SKYHAWK LEADER.....*		3	28	1-73	52	1.7	16,409	3.50	575		21	39	+173	-.04	0	+5
11-20-64 1289574 5782389 5-73					40		16,135	3.60	581							
1478496 JUBREE SKOKIE LYFOBES.....		1	20	1-23	20	1.4	12,168	3.63	442		8	23	-107	-.03	-8	-10
02-26-65 1358323 5406617 5-73					14		12,448	3.82	476							
1478527 ERIC LE-BON ROBJRKE MAC.....	35-75	20	1	10-32,35,	25	1.8	16,485	3.50	577		30	59	+8	-.02	-2	-1
04-18-65 1273756 4221963 5-73				52,57,93	67		16,702	3.53	589							
1478528 LON-NIE DRMSBY MAJOR.....*		3	9	2-48,74	12	2.6	14,501	4.09	593		20	28	-202	+.11	+8	0
05-15-63 1271122 4555303 5-73					21		15,315	3.73	571							
1478541 WHITE PLAINS PATTERNMAKER.....*		3	22	2-55,56	26	1.4	13,281	3.54	470		5	26	-117	-.01	-5	-8
02-09-65 1398286 3933871 1-73					31		13,659	3.60	492							
1478542 PINE SHELTER LUCKY REGENT.....		5	3	3-35,41,	10	1.5	14,459	3.66	529		29	31	-129	+.03	0	-4
10-01-63 1250772 5013335 1-73				61	19		14,941	3.54	529							
1478577 WILLAROS PERFECTION ALTON.....*		7	12	5-33,35,	30	1.8	15,066	3.50	528		11	41	+136	-.01	+4	+7
01-26-65 1437507 3722415 5-73				47,52,74	220		14,775	3.50	517							
1478578 WILLAROS PERFECTION PETE.....*		12	3	6-33,35,	29	1.7	16,266	3.53	575		11	57	+472	-.01	+15	+27
02-27-65 1437507 5295240 5-73				52,55,74	114		15,547	3.55	552							
1478579 WILLAROS QUINTON.....		2	55	1-35	59	1.8	16,734	3.30	552		14	29	+220	-.06	-1	+6
02-28-65 1437507 3545758 5-73					14		16,157	3.48	562							
1478581 WILLAROS SOVEREIGN OIXIE.....*		5	12	5-33,35,	29	1.6	14,062	3.68	517		26	39	-418	+.09	-3	-15
04-01-65 1356229 3986062 5-73				51,64,74	160		15,223	3.46	527							
1478582 WILLAROS ULLIE LAD.....*		6	2	2-35,64	10	1.6	15,928	3.83	610		40	34	+395	+.06	+23	+31
04-03-65 1356229 4652663 5-73					38		14,804	3.69	546							
1478593 ODLVIC COMRE JETHRO.....	41-01	35	2	3-35,41,	44	2.0	14,546	3.67	534		18	70	-238	+.05	-2	-9
11-25-64 1242338 5470814 5-73				45	29		14,941	3.62	541							

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEIRS	EFF DAU /HO	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS	REC/DAU HERDMATE	MILK	% FAT	FAT	% IST INC	% REPT	PREDICTED DIFFERENCES MILK	% FAT	FAT $$
1478606 TOPS SENATOR GINA BONANZA.....*		3	15	2-13,16	20	2.1	15,434	3.77	582	0	30	-351	+.05	-6 -16
08-29-64 1252985 5076424 5-73					21		16,864	3.64	614					
1478618 PAUL-LYN BINGO SAM.....		1	27	1-48	27	1.2	14,438	3.63	524	18	23	+118	+.03	+8 +10
12-20-64 1282720 5046642 9-72					9		13,863	3.51	487					
1478633 BACONFARM WIS MARK.....*		6	16	4-41,42,	25	1.6	14,734	3.26	480	22	31	+177	-.04	+1 +6
01-10-65 1222994 5568053 5-73				43,48	21		14,138	3.34	472					
1478710 NOR-RICH NACHES MAOCAP SUPER8.*		1	18	1-34	18	1.3	13,988	3.65	510	0	22	-90	.00	-3 -5
10-27-64 1411641 5205671 5-73					33		14,399	3.68	530					
1478716 PENSTATE JOSEPH.....*	35-03	46	2	4-23,35,	64	1.8	15,050	3.81	573	9	78	-438	+.08	-5 -17
03-07-65 1046259 5164077 5-73				41,64	19		15,747	3.73	588					
1478731 MAC-SWAN PRINCE HOPE.....*		4	8	2-11,21	18	1.4	13,227	3.91	517	13	34	-616	+.07	-12 -29
10-19-64 1243697 3863452 5-73					30		15,138	3.70	560					
1478733 QUINNLAND ANN LAVACRES PAT....	35-75	30	2	12-21,35,	38	2.2	17,085	3.57	610	13	70	+633	-.04	+17 +33
03-22-65 1291498 4381608 5-73				41,55,93	61		16,381	3.62	593					
1478738 LAVACRES BURKGOV BRUCE.....	93-19	4	27	1-93	36	1.9	18,389	3.43	631	0	32	+712	-.04	+19 +37
06-22-64 1038509 5577143 5-73					64		16,345	3.52	576					
1478739 LAVACRES OLYMPIAN.....	35-75	23	1	11-21,23,	28	2.0	16,393	3.32	544	17	63	+186	-.17	-18 -9
04-13-65 1282185 5461889 5-73				32,55,93	61		16,287	3.57	581					
1478748 BETTERWAY OUSKY JO DICTATOR...		2	9	1-93	11	1.3	14,350	3.64	522	**	21	-83	-.03	-7 -8
12-09-64 1368324 4622592 1-73					22		14,784	3.80	562					
1478753 HYCKORY-HYLL AUTOHOE.....*		1	11	1-22	11	2.0	16,132	3.74	604	9	22	-221	+.04	-2 -8
11-19-64 1414261 3794539 5-73					39		17,451	3.62	631					
1478767 OA-CO-TON SUNSHINE MODEL.....*		3	9	1-46	18	1.6	13,585	3.95	536	12	33	+203	+.05	+15 +18
04-25-65 1436271 5822687 5-73					16		12,819	3.80	487					
1478775 AL-LO-WAYNE CITATION.....*		7	18	4-33,35,	28	1.9	12,829	3.48	447	4	34	-367	-.01	-14 -23
07-05-64 1492073 5404603 5-73				42,56	22		13,870	3.51	487					
1478783 ARLINDA CHIEF PILOT.....		1	32	1-93	32	1.3	11,938	3.87	462	**	24	-393	+.05	-7 -18
03-21-65 1427381 4022409 5-73					106		13,499	3.67	495					
1478803 WHITREL F H REGAL MATADOR.....*		1	13	1-23	13	1.7	15,051	3.32	500	0	22	+352	-.03	+8 +17
02-18-65 1243697 4552579 5-73					17		13,345	3.45	460					
1478834 HARGUTH REX OE KOL PRINCE.....*		2	24	1-41	34	1.6	13,218	3.48	460	28	31	-349	-.07	-22 -29
03-28-65 1398314 3149963 5-73					17		14,338	3.72	534					
1478868 THAYBEN MASTER CHARIOTEER.....*		3	22	2-11,13	27	2.3	15,458	3.73	576	4	31	+9	+.05	+7 +6
09-29-64 1254887 4899764 5-73					34		15,543	3.58	556					
1478881 CLINTON CAMP AUGUR CAPTAIN....		1	31	1-21	31	1.9	12,991	3.44	447	0	27	+112	-.04	-2 +2
04-26-65 1438533 5271446 5-73					9		12,378	3.64	450					
1478902 CHAMBRIC REVELATION MAXIM.....*		2	16	2-33,35	18	1.6	13,817	3.39	469	38	25	-563	-.02	-23 -36
07-12-64 1055021 4122017 5-73					53		16,281	3.51	572					
1478904 MO PONO VIEW TOM.....		5	18	2-32,73	27	1.9	15,156	3.63	550	4	33	+358	+.04	+19 +26
01-02-65 1440198 5751043 5-73					18		14,016	3.48	488					
1478906 SARALYN SNOWBAL LAKEFIELD.....*		7	19	2-55,56	35	1.6	15,789	3.36	530	34	36	+487	-.05	+10 +23
03-16-65 1243697 5029790 5-73					15		14,457	3.47	502					
1478909 JO-WAM-BI POLKADOT.....*		9	5	2-41,42	21	1.9	15,564	3.33	518	5	45	+471	-.09	+4 +18
07-27-64 1244845 5223577 5-73					7		14,528	3.49	507					
1478917 ART-TIL BETTY SB ROYAL PONTIAC*		2	7	1-34	14	1.2	14,267	3.36	480	10	28	-205	-.03	-11 -15
11-26-64 1397752 5283967 9-72					11		15,061	3.47	522					
1478921 OAKK VALLEY REWARD HOPE.....*		1	13	1-51	13	2.2	14,912	3.78	564	9	24	-37	+.02	+2 +1
09-28-64 1259391 4391947 5-73					31		15,148	3.70	561					
1478949 SANDHURST REJASON BOBBIE.....	21-10	42	1	2-13,21	43	2.1	15,843	3.69	585	9	74	+575	+.09	+34 +45
02-25-65 1112211 4851129 5-73					22		15,138	3.57	541					
1478957 HAYSSEN ROCKY KING.....*		2	22	1-34	24	1.4	12,320	3.68	453	24	25	-66	-.06	-11 -11
04-13-65 1441472 5740971 5-73					9		12,392	4.03	500					
1478961 HUIRAS GODFREY ROCK.....*		8	7	3-35,41,	23	1.6	14,230	4.03	574	11	42	-260	+.05	-2 -10
02-08-65 1331314 5855168 5-73				65	17		14,895	3.94	587					
1478964 GAR-JANS PIONEER JESS.....*		2	6	1-42	10	2.9	13,758	3.72	512	13	29	+36	+.03	+6 +6
07-02-64 1292880 5618696 5-73					8		13,550	3.62	490					
1478989 KENTSON SKYLINER SIMON.....		2	5	1-14	10	1.6	14,211	3.74	531	50	27	+229	.00	+8 +13
09-27-64 1244845 4751605 1-73					41		13,251	3.77	500					
1479004 MIORIDGE RONINO.....*		9	10	5-11,12,	23	1.2	15,298	3.74	572	**	34	-171	+.09	+6 0
11-21-64 010275932 5120496 5-73				14,15,42	13		15,956	3.49	557					
1479023 MISTER BELLRINGER.....*		4	17	2-91,93	24	2.2	17,032	3.60	614	14	32	-11	.00	0 0
09-28-64 1447034 6069323 5-73					19		17,366	3.59	624					
1479030 HOOBIRK CALIBAN CYCLONE.....		3	13	1-32	17	2.2	13,730	3.63	499	6	29	+96	+.02	+6 +8
05-28-64 1246183 5548349 9-72					7		13,283	3.58	475					
1479043 HECKSELS ROYAL KING-TWIN.....	35-75	29	2	14-21,41,	38	2.1	17,152	3.50	600	23	70	+983	-.07	+24 +49
03-24-65 1278644 4834315 5-73				52,55,93	54		15,890	3.59	570					
1479066 ELMOKA JOE OTTO.....	35-21	33	1	2-35,41	37	1.7	14,363	3.79	544	18	68	-365	+.09	0 -11
03-07-65 1106334 3858510 5-73					18		14,955	3.66	547					
1479092 VOLKERT SKYHAWK GOLDEN NUGGET.*		3	6	2-41,47	13	1.5	16,838	3.60	606	22	31	+289	-.03	+6 +14
03-06-65 1289574 5173665 5-73					16		16,065	3.70	595					
1479127 WITWERS FOBES CREATION.....		1	30	1-42	30	1.9	14,735	3.82	563	21	26	+108	-.01	+2 +5
12-09-64 1338046 4749748 5-73					17		14,317	3.90	558					
1479141 ZIMMERMAN PILOT STAR SAL.....*		1	23	1-52	23	1.7	12,993	3.80	494	13	25	+42	+.01	+3 +4
02-22-65 1251857 5685234 1-73					32		12,650	3.77	477					
1479172 LYLE EDGEWOOD HAMILTON BROWN..*		3	9	2-41,46	12	2.4	15,458	3.53	546	9	28	-4	-.01	-1 -1
04-09-65 010263332 6226768 5-73					15		15,598	3.56	555					
1479193 BECKSVIEW KING JOE JACK.....*		1	12	1-23	12	2.5	12,734	4.07	518	17	24	-87	+.02	0 -3
04-11-65 1426813 5322977 5-73					14		12,960	3.98	516					
1479214 EL PAJARO STARMAN.....		2	9	1-93	11	1.1	19,011	3.66	695	13	21	-138	+.03	-1 -5
05-04-65 1410984 5697608 1-73					80		20,276	3.58	725					
1479215 JO-JON MAGIC PIONEER.....		2	30	1-93	34	1.3	18,680	3.43	641	**	26	+121	-.04	-1 +3
12-14-64 1292880 4626261 5-73					95		18,641	3.57	665					
1479225 DOE BILLY BOY CREAMELLE.....*	35-05	42	2	5-33,35,	68	1.3	14,544	3.81	554	15	76	+52	+.08	+14 +13
03-05-65 1314767 4048274 5-73				41,42,65	18		14,484	3.71	537					

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HO	STATES NO- WITH MOST DAUS	DAUS	REC/DAU HEROMATE	MILK	%	FAT	% INC	1ST	REPT	PREDICTED DIFFERENCES MILK	%	FAT	$$
1479230 MOJVILLE CONFIDEEN DUKE.....	35-75	35	1	10-21,23,	43	2.1	16,859	3.53	595	11	72		+757	-.04	+21	+40
04-10-65 1000390 4352257 5-73				41,55,93	67		15,971	3.58	571							
1479233 CORREIA KINGPIN.....		1	49	1-93	49	1.5	18,891	3.51	663	0	26		+337	+.01	+14	+22
03-14-64 1398216 4740447 5-73					31		17,952	3.46	621							
1479240 EHRS IVAN LANA.....		1	45	1-47	45	1.6	14,176	3.68	521	14	26		-290	+.03	-6	-14
C1-10-65 1416835 5554893 5-73					4		15,384	3.58	550							
1479257 RAY-LOU OAGAN KISMET.....*	21-10	40	1	7-12,13,	41	2.1	15,877	3.50	556	14	73		+339	-.08	+1	+11
C1-22-65 1223243 4112322 5-73				14,16,21	29		15,525	3.59	558							
1479265 SILVERLANE NOLA KING.....*		5	11	1-55	26	2.1	15,666	3.42	535	29	40		+172	-.03	+2	+7
06-15-64 1244009 4963369 5-73					28		15,329	3.46	531							
1479284 MAPLE HEATHER ONWARD.....*	21-10	52	2	4-11,13,	83	2.6	15,628	3.67	573	14	83		+255	-.01	+7	+13
C9-16-63 010239301 011657873 5-73				14,15	25		15,423	3.69	569							
1479300 SAR-BEN SKY PRINCE.....	35-75	22	4	8-21,34,	34	2.0	17,061	3.55	606	21	59		+693	-.02	+22	+39
11-05-63 1239242 4907811 5-73				41,92,93	57		16,052	3.58	575							
1479322 CHURCH FARM ELEVATION DESIGN..*		4	39	1-43	50	1.6	11,681	3.60	421	5	31		-3	-.01	-1	-1
C7-30-64 1271810 3831748 5-73					38		11,396	3.65	416							
1479329 SHJFARMS FOND JOEL.....*		5	6	1-21	14	2.6	17,476	3.36	587	0	36		+853	-.08	+19	+41
11-21-64 1243597 5201819 5-73					14		15,170	3.54	537							
1479347 JUTZ KING ADMIRAL BURKE.....	41-01	36	2	2-41,46	46	1.7	14,998	3.47	521	15	72		+11	-.05	-7	-5
03-03-64 1237057 4703601 5-73					19		15,049	3.54	533							
1479350 L-ROSE OLIVE DUKE FLASH.....*		2	9	1-35	14	2.3	15,208	3.73	568	8	29		-21	+.01	0	-1
12-07-64 1315879 5157339 5-73					12		15,383	3.76	578							
1479358 ROSEMERE RAVEN MODEL.....*		2	8	1-31	11	1.8	15,388	3.61	556	**	26		+37	-.02	-2	-1
C1-18-65 1113350 4604081 5-73					23		15,340	3.73	572							
1479360 RAYMAU CHIEF RULER.....*	23-13	43	3	4-13,22,	70	2.1	14,318	3.64	521	12	78		-269	-.04	-16	-21
10-16-64 1397517 5445730 5-73				23,41	21		14,694	3.72	546							
1479365 DEB-LENN LANDSWERK PLAYBOY JO.		3	7	1-42	10	1.6	14,373	3.56	511	22	24		+155	-.04	0	+5
10-08-64 1439052 5085652 5-73					9		13,660	3.72	508							
1479389 FOLLY-BROOK SKYLINER JACK.....		3	15	1-16	36	1.9	13,637	3.62	493	3	43		-453	-.03	-20	-30
C5-22-65 1244845 6061003 5-73					48		14,718	3.70	544							
1479398 WAGONER CRETE ROAMER DUKE.....*		5	8	2-42,61	16	1.9	16,675	3.39	566	0	33		+324	-.08	0	+10
11-12-64 1237277 5420318 5-73					13		15,846	3.63	576							
1479405 PGF PROSPECTUS MASTER.....*		3	14	1-21	25	2.0	16,012	3.54	567	12	35		+126	.00	+5	+8
C1-26-65 1094074 4752338 5-73					14		15,790	3.51	555							
1479415 CAL-CLARK AVILA STAR.....		1	34	1-93	34	1.7	13,668	3.58	489	19	26		-206	.00	-7	-12
C1-21-65 1274923 5679277 5-73					51		14,477	3.58	519							
1479433 BOI ROXANNA RADAR.....*	21-10	34	2	3-12,13,	38	2.0	16,127	3.58	578	16	69		+287	.00	+11	+18
12-07-64 1298197 4669293 5-73				21	22		15,859	3.58	567							
1479434 BOI ROXANNA CLAIR.....*		3	14	2-23,51	21	1.1	13,945	3.76	524	6	27		-112	+.02	-1	-4
12-08-64 1298197 5323416 5-73					52		14,356	3.70	531							
1479436 BOI ROXANNA BERT.....		1	16	1-51	16	1.4	14,939	3.52	526	27	22		+271	.00	+10	+16
C2-10-65 1298197 5439772 5-73					40		13,642	3.51	479							
1479451 FALANO TOBEY PIXIE ERIC-TWIN..	35-75	24	2	12-35,42,	34	2.1	15,639	3.69	577	17	67		-69	+.08	+9	+5
C2-04-65 1273756 4571454 5-73				52,55,93	79		15,895	3.57	568							
1479452 LIME HOLLOW INSIGNIA GRANDIER.	35-75	32	1	12-23,35,	40	2.1	15,436	3.61	558	14	71		-176	+.02	-4	-9
C5-05-65 1277619 5205592 5-73				55,57,93	65		15,828	3.60	570							
1479459 P-F BURKE VIOLET ZEUS.....*		5	11	3-43,71,	21	1.9	15,603	3.34	521	33	34		+173	-.04	0	+5
10-05-64 1283917 4396039 5-73				72	26		15,174	3.45	523							
1479462 MO-CLEAR-SPRING HOPE VICTOR...*		1	13	1-51	13	1.4	15,892	3.31	526	10	21		+206	-.04	+2	+8
11-21-64 1430547 5573735 5-73					12		14,954	3.46	517							
1479540 BIG GREEN WARRIOR.....*	21-10	43	1	5-13,14,	44	2.3	14,989	3.75	562	14	75		-268	+.15	+11	+1
10-19-64 1235822 4539824 5-73				16,21,23	23		15,456	3.56	551							
1479542 REYNOLANO OAGAN PEP.....	31-07	19	2	4-31,61,	25	1.4	14,733	3.54	521	14	57		-103	+.01	-2	-5
10-07-64 1223243 5261990 5-73				74,84	26		14,975	3.53	528							
1479545 EASTLAWN FOND HOPE.....*		3	15	1-34	19	1.2	16,028	3.51	563	8	25		+74	-.01	+1	+3
C3-03-65 1243697 4916381 9-72					30		15,874	3.55	563							
1479547 F D F REFLECTION PAT.....*		12	15	3-16,21,	44	2.2	16,049	3.73	598	6	48		+580	+.01	+23	+36
10-20-62 010278184 011251287 5-73				52	24		14,899	3.73	555							
1479549 VALLA VISTA KING PIEBE.....*	35-05	33	2	4-35,42,	53	1.8	14,480	3.69	534	20	73		+58	.00	+2	+3
C3-12-65 1371268 3693547 5-73				65,72	19		14,401	3.69	532							
1479556 CODERVIEW RAVEN BURKE.....		2	13	1-93	15	1.3	15,868	3.31	526	10	23		-36	-.02	-4	-4
C3-04-65 1192713 5446565 5-73					29		16,211	3.39	549							
1479583 HY-SEEN LORRY VALOR.....		1	25	1-42	25	1.9	14,544	3.75	545	24	26		-57	+.01	-1	-3
12-10-63 1392400 5296068 5-73					9		14,812	3.75	556							
1479589 LIME HOLLOW RAG APPLE MAPLE...*		5	5	1-21	13	1.3	13,781	3.62	499	33	32		-426	+.02	-13	-24
C4-28-65 010218036 4856736 1-73					23		15,214	3.58	545							
1479593 OUNGA BROOK ORMSBY SEVAN.....*	21-10	50	2	2-13,21	62	2.0	16,651	3.48	580	9	78		+794	-.06	+20	+40
C1-17-65 1085978 4518587 5-73					26		15,777	3.54	559							
1479609 BOTTHAVEN PERSEUS MONARCH.....*		3	32	2-32,34	36	1.9	16,077	3.46	556	12	29		+290	-.09	-3	+6
12-29-64 010260599 5222748 5-73					53		15,147	3.81	577							
1479617 HATCHETTPEAK LUCIFER.....*		2	10	1-34	12	2.1	16,417	3.39	557	0	25		-79	-.03	-7	-8
C1-26-65 1290182 5277978 5-73					9		17,002	3.51	597							
1479648 LONGSWAMP DELLA KING.....*		1	30	1-32	30	2.0	12,756	3.69	471	10	27		-372	+.02	-10	-19
09-06-64 1388212 3832676 5-73					8		14,114	3.63	512							
1479649 MEY-VILLA MODEL PARAGON.....*		1	15	1-35	15	1.8	13,381	3.98	532	0	23		-437	+.08	-5	-17
C8-25-64 1413083 4269389 5-73					3		15,355	3.65	561							
1479653 CYPRESS LANE VILCROSS.....		1	14	1-93	14	2.4	16,392	3.31	542	0	25		-69	-.05	-10	-10
C2-18-64 1423201 4259303 5-73					74		16,932	3.51	594							
1479663 SLEEPY HOLLOW ANDY.....*		4	6	1-93	11	1.5	17,685	3.81	673	0	26		-138	-.01	-6	-9
03-09-65 1252985 4211266 5-73					93		18,637	3.85	718							
1479672 BAGLEY PIONEER IMPROVER IDEAL.		1	12	1-42	12	1.8	12,777	3.52	450	25	22		-232	.00	-9	-14
C9-25-64 1415330 5634801 5-73					5		13,771	3.59	494							
1479679 DUTCH CORNER A LEADSMAN.....*		10	3	1-21	17	1.4	15,653	3.44	538	31	44		-257	-.02	-12	-18
03-31-65 1379390 5163908 1-73					28		16,450	3.48	572							

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES AND WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS HM/DAU	REC/DAU HERDMATE	MILK	% MILK	FAT	% FAT	1ST LNC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1479692 PAR-KAN TYPE8LAZER SIR SOLOMON*		2	27	2-43,71	34	1.4	13,479	3.84	517		6	28	-23	+.06	+8	+6
C1-30-65 1422428 4868025 5-73					29		13,472	3.61	487							
1479701 ELLEAF PINEY OLLIE MINDR.....*		2	7	1-42	11	2.1	14,812	3.58	530		10	28	+26	+.01	+3	+3
12-08-64 1383004 4812063 5-73					17		14,756	3.52	520							
1479704 HODVERDALE HI LO PRIDE ADMIRAL*		5	3	3-43,48,	11	1.2	15,222	3.57	543		57	32	+298	+.03	+15	+21
09-05-64 1237057 3862385 5-73				71	16		14,264	3.45	492							
1479713 CANYAN-VIEW BENEFACTOR JIM....		1	37	1-87	37	2.0	15,059	3.12	470		16	27	+53	-.09	-11	-7
02-05-65 1447308 5142992 5-73					29		14,919	3.45	515							
1479726 ROSBY PRINCE ANITA EARL-TWIN..		1	23	1-52	23	2.1	17,045	3.81	650		4	27	+158	+.04	+12	+15
01-13-65 1253152 4960668 5-73					21		16,679	3.68	613							
1479734 BLAIN VIEW ROXANNA DUKE.....	35-75	16	1	11-21,23,	19	2.0	17,444	3.37	588		6	54	+919	-.11	+16	+41
04-21-65 1298197 4646032 5-73				35,41,52	47		15,874	3.55	563							
1479752 MAPLE SLOPE ADONIS.....*	21-10	30	2	2-13,21	35	2.3	15,006	3.44	516		17	68	-270	-.10	-24	-28
11-24-64 1171458 5126017 5-73					23		15,521	3.59	557							
1479764 SCHUVILLE LACE GLAMOUR LT.....*		1	40	1-33	40	2.2	14,658	3.94	578		15	28	-81	+.02	0	-2
05-02-64 1282185 4594719 5-73					22		15,015	3.93	590							
1479801 HI-BY GRAPHIC DESIGN.....*		1	11	1-34	11	2.9	15,265	3.62	553		0	24	-51	+.01	-1	-2
12-20-64 1320015 5189251 5-73					40		15,601	3.62	564							
1479806 E-W-ELM BERNICE IDEAL.....		3	20	1-84	24	1.8	18,342	3.50	642		5	28	+401	-.04	+9	+20
C1-22-65 1333723 4737748 5-73					66		17,191	3.60	619							
1479807 SKOKIE BURKGOV.....	35-75	32	2	14-23,35,	45	1.5	16,146	3.56	574		14	70	+14	.00	+1	+1
C1-08-65 1288610 5111434 5-73				55,57,93	84		16,319	3.55	579							
1479813 IRVINGTON SQUIRE POPPIN.....*		2	17	1-22	27	1.6	14,329	3.64	522		13	33	-385	+.01	-12	-22
10-21-64 1243697 5257473 5-73					19		15,636	3.61	565							
1479823 MILK & HONEY INDUSTRIOUS.....*	61-02	117	2	4-23,32,	177	2.0	14,986	3.66	549		15	91	+110	+.03	+9	+11
10-24-64 1189870 5132543 5-73				33,34	18		14,917	3.63	541							
1479824 MILK & HONEY REFLECT DAGANHJE.	48-01	142	5	3-48,73,	380	1.7	15,290	3.66	559		15	94	+297	+.12	+28	+32
04-12-65 1223243 5472234 5-73				74	25		15,037	3.52	530							
1479835 ODS PALMOS PRINCE.....		1	16	1-93	16	1.5	17,369	3.62	628		**	23	+116	-.02	+2	+5
11-23-64 1339735 5654147 5-73					16		17,126	3.68	630							
1479837 MOUNDVALE REFLECTION R.....*		3	16	1-63	29	1.7	13,428	3.50	470		30	35	-178	.00	-6	-10
11-03-64 1492073 4793703 5-73					14		13,890	3.51	488							
1479870 ORF SKOKIE STAR.....		2	19	1-73	24	2.0	13,668	3.38	462		22	30	-190	+.03	-3	-8
01-25-65 1288510 5011688 5-73					6		14,305	3.29	471							
1479896 JOLIAM ROYAL MASTER.....*		9	7	3-33,34,	28	2.1	14,209	3.62	515		15	49	-676	-.06	-32	-47
10-25-64 1305460 4362286 5-73				35	16		15,730	3.75	590							
1479897 JO-LEM WILLAROS FOBES.....*		1	12	1-32	12	1.3	14,657	3.70	543		0	20	+112	+.01	+6	+8
05-27-65 1303502 5172165 1-73					3		14,672	3.66	515							
1479928 REMSEN FARMS MISTER REGENT....*		6	3	1-21	11	1.8	14,152	3.53	499		14	34	-849	-.01	-32	-52
12-24-64 1380707 4828966 5-73					21		16,887	3.57	603							
1479948 ANGARD SEARS GENE THOR.....		1	10	1-21	10	1.9	17,693	3.49	617		10	22	+65	+.02	+5	+6
05-09-65 1385978 4874852 5-73					33		17,731	3.40	602							
1479975 MOUND VIEW PRINCE MAJORITY....*		2	13	2-35,65	15	2.0	11,894	3.60	428		27	25	-377	-.01	-15	-24
12-17-64 1383004 5257229 5-73					19		13,276	3.69	490							
1479991 KER-MIN PERFECTION XX BUDDY...*		2	11	1-23	13	1.6	13,685	3.58	490		15	24	+2	-.04	-5	-4
12-17-64 1378594 5157531 5-73					22		13,598	3.77	513							
1480027 BUTLERVIEW SENATOR PRINCE.....*		5	6	2-33,51	17	2.2	15,546	3.59	558		7	39	+112	-.05	-3	+1
09-06-64 1252985 4298346 5-73					72		15,357	3.74	574							
1480028 WOODSIDE FARM SAMY BELLE.....*		3	9	1-21	12	2.6	17,224	3.28	565		22	28	+144	-.03	+1	+5
07-21-64 1085978 5172563 5-73					55		16,971	3.35	568							
1480032 FOHON SKYWAY CHAMPION IKE.....*		4	13	2-41,42	24	1.8	15,506	3.26	505		23	35	+342	-.12	-6	+5
07-03-64 1431992 3259554 5-73					12		14,535	3.61	525							
1480037 B-BS VAN-PO TIOY BRUTUS.....		1	24	1-48	24	1.8	14,144	3.89	550		20	25	-165	.00	-6	-10
01-12-65 1374286 4862066 5-73					32		14,841	3.94	584							
1480053 COBLESKILL DAGEN MERRY CHIEF..*		1	23	1-21	23	2.0	15,004	3.65	547		5	26	+45	+.02	+5	+5
C1-02-65 1223243 4093359 5-73					71		14,875	3.55	528							
1480059 BRISTOL ECHO TIM.....*		14	2	4-33,35,	23	1.9	15,025	3.53	530		5	56	-134	-.11	-21	-21
01-08-65 1404688 4921059 5-73				42,47	15		15,355	3.75	576							
1480060 SKOKIE GOLDEN NUGGET.....	35-21	57	1	5-34,35,	65	1.6	14,923	3.44	514		23	79	-194	-.13	-26	-27
04-20-65 1215448 4957770 5-73				41,43,73	17		15,256	3.62	552							
1480073 MONANFRAN STAR BURKE.....*		1	10	1-21	10	2.0	14,358	3.44	494		10	22	+211	-.01	+6	+11
C1-29-65 1410984 4585030 5-73					38		13,279	3.47	461							
1480077 SAUL MARAJON FARMSTEAD.....*		2	15	1-34	17	1.4	11,605	3.39	393		14	24	-269	.00	-10	-16
12-02-64 1397752 5606225 5-73					14		12,561	3.42	430							
1480094 REDFIELD SKOKIE JOY.....*		7	4	2-46,47	16	1.6	13,384	3.56	477		50	40	-673	+.02	-22	-38
10-05-64 1391280 5566682 5-73					27		15,145	3.55	537							
1480139 GREGG CRYS APOLLO.....		5	3	3-42,46,	13	1.4	12,402	3.91	485		57	35	-624	+.05	-15	-31
12-21-64 1304384 4018477 5-73				47	12		14,181	3.74	531							
1480156 SINNEMA HOMESTEAD SIR JEWEL...*		2	8	2-82,91	10	1.4	15,739	3.58	564		0	21	-215	+.01	-6	-11
C1-21-65 1447034 4856281 9-72					31		17,016	3.56	605							
1480160 WASIOJA BURKE MARTY.....		1	31	1-41	31	2.4	11,857	4.00	475		35	27	-394	+.03	-10	-20
07-11-63 1372052 5341603 5-73					31		13,189	3.90	515							
1480174 ARLINDA CHIEF JUPITER.....	35-75	5	40	3-32,74,	51	1.4	18,027	3.85	694		15	30	+360	+.07	+23	+30
03-09-65 1427381 3827015 5-73				93	49		17,078	3.67	627							
1480185 GRAY VIEW X CONFIDENT.....	61-02	326	5	9-23,51,	970	1.5	13,700	3.83	525		16	97	-1,172	+.27	-6	-40
04-09-65 1378594 4847071 9-72				52,54,55	27		14,964	3.57	534							
1480188 GRAY VIEW BELINA SKIPPY-TWIN..*		4	6	2-41,42	15	1.6	16,296	3.77	615		14	33	+462	+.04	+23	+33
C4-12-65 1396617 4411436 5-73					17		14,965	3.66	548							
1480205 L-BEASLEY SKYLINER.....		1	24	1-63	24	2.1	13,883	3.13	434		8	27	-168	-.06	-15	-17
10-18-63 1244845 4358695 5-73					19		14,528	3.38	491							
1480237 OAKDALE-N8 PIONEER PERFECTION.*		8	2	3-41,56,	10	1.7	13,842	3.60	499		0	36	-385	-.01	-15	-24
02-27-64 1292880 4307880 9-72				91	9		14,970	3.64	545							
1480244 LOVING-MEADOWS A B C MIXER....*		5	7	2-21,23	13	1.8	14,138	3.57	505		25	31	+62	-.03	-2	0
04-25-65 1450272 5293231 5-73					13		13,885	3.72	516							

REGISTRATION NUMBER / NAME / DF / BULL	STUD CODE	NUMBER DF HEROS	EFF DAU /HO	STATES ND- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS HM/DAU	REC/DAU HERDMATE	MILK	% MILK	FAT	% FAT	1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1480267 SHELAND CHARMSON GENE.....		2	23	2-21,23	25	2.6	16,876	3.61	610	0	29	+168	-.01	+5	+9
02-09-55 1278644 4309698 5-73					25		16,516	3.63	600							
1480268 MAGSBY FERN TEDDIE.....	35-75	32	1	13-23,35,	41	2.2	15,363	3.60	553	6	72	-100	+.03	0	-3
03-01-55 1010936 4461894 5-73				52,55,93	62		15,627	3.58	559							
1480277 TEXANA BJD PAT IVANHDE.....*		1	13	1-23	13	2.0	15,919	3.83	610	15	23	+97	+.01	+5	+7
02-19-55 1291498 5082969 5-73					35		15,629	3.81	595							
1480331 NEVADA ROBURKE CITATION.....*		6	3	1-43	12	1.8	15,952	3.47	554	36	37	+373	+.02	+17	+25
01-31-55 1292880 4134067 5-73					21		15,010	3.38	507							
1480335 GORDYLE VALLEY ZIM.....*		1	12	1-35	12	2.0	16,306	3.74	610	8	23	+526	+.05	+27	+38
03-13-55 1261857 4318746 5-73					20		13,976	3.50	489							
1480350 HAYSSEN VITOSH REFLECT SKY BOY*		6	10	1-47	26	1.9	14,482	3.51	509	4	41	-162	-.08	-17	-19
07-20-64 1397466 5585067 5-73					19		14,936	3.73	557							
1480355 BJD-LANE AMBASSADOR IVANHOE...*		2	11	1-41	13	2.0	15,705	3.71	582	23	25	-407	+.03	-10	-21
01-02-65 1287090 5015824 5-73					6		17,062	3.61	638							
1480359 HAWTHORN DESIGN.....*		7	3	3-16,21,	15	1.0	16,754	3.33	558	18	40	+484	-.06	+8	+21
11-22-64 1440134 5823046 5-73				57	33		15,669	3.44	539							
1480360 WILJON ANALEE KING.....		1	10	1-43	10	2.0	14,773	3.32	491	25	22	-9	-.03	-4	-4
10-28-64 1284715 5463457 1-73					12		14,866	3.46	514							
1480365 HUFFMAN MERCEDES ELMOKA JOE...*	35-05	25	2	4-33,35,	34	1.6	13,823	3.75	519	22	64	-441	+.04	-11	-22
03-21-55 1150334 5752937 5-73				41,42	20		14,529	3.71	539							
1480426 WIT-LANE ADMIRAL SKYBOY.....*		6	3	2-23,51	10	2.6	13,382	3.68	492	22	35	-9	.00	0	0
09-03-64 1237057 5398091 5-73					35		13,301	3.69	491							
1480428 RIVERSTEAD PETE.....*		1	46	1-35	46	2.0	14,537	3.58	520	10	28	-57	-.01	-4	-5
11-14-64 1331314 5030713 5-73					8		14,784	3.66	541							
1480429 RIVERSTEAD VIKING.....*		2	10	1-35	12	1.8	11,961	3.75	449	20	24	-296	-.02	-13	-20
09-26-64 1340814 3865405 5-73					14		13,090	3.89	509							
1480444 WISBEE IKE CAREY.....*		14	6	2-21,22	34	1.4	12,324	3.69	455	42	52	-1,149	+.08	-31	-60
12-04-64 1378594 5190938 5-73					15		14,543	3.55	516							
1480460 DIAMOND J DUSTY LORENZO.....		5	36	2-91,93	47	1.3	16,914	3.90	660	10	29	+29	+.09	+14	+12
02-07-65 1205185 4838153 5-73					53		17,083	3.65	624							
1480462 ROSES DAN-DEE PABST DUKE.....*		5	5	1-23	12	1.6	12,337	3.69	455	8	32	-485	+.04	-12	-25
03-10-65 1222989 4269793 1-73					44		13,816	3.58	495							
1480483 MAYTIME BUTTER BOY.....		1	26	1-41	26	2.0	13,601	3.63	494	9	27	-22	+.05	+6	+4
03-18-64 1409347 4917286 5-73					3		13,609	3.44	468							
1480498 ELLENVALE PRINCE EXTRA DELLA..		1	26	1-41	26	2.0	16,055	3.61	580	17	26	+254	+.05	+16	+21
03-16-65 1277213 5021454 5-73					5		15,177	3.43	521							
1480518 WILKA ELVIS SMOKEY.....		2	6	1-42	11	1.1	13,660	3.67	501	36	25	+243	+.02	+11	+16
02-07-65 1303198 5387493 1-73					15		12,485	3.61	451							
1480534 GREENVIEW CRISS ARAB KING.....*		1	12	1-21	12	1.8	15,119	3.20	484	18	22	-190	-.02	-9	-13
03-18-65 1378594 3389004 5-73					24		16,156	3.29	532							
1480536 JON AUGUR IDEAL ROYAL KING....*		3	27	2-35,74	37	2.5	17,256	3.36	579	17	35	+604	-.07	+11	+27
05-19-64 1343126 5767653 5-73					12		15,628	3.52	550							
1480564 VIEW KNOLL SKOKIE DUKE.....*		1	75	1-42	75	1.9	11,979	3.67	440	24	28	-200	-.03	-12	-16
11-20-64 1288610 5346250 5-73					26		12,498	3.86	482							
1480574 REJ-JEN JOE.....*		1	18	1-31	18	1.5	13,020	3.44	448	22	23	-234	-.04	-14	-19
04-23-65 1442796 3868190 9-72					23		14,005	3.67	514							
1480594 PALO DURO DELLA BOBBY.....*		1	15	1-74	15	1.7	16,457	3.57	587	0	23	+20	+.02	+3	+3
05-21-65 1291498 4936465 5-73					19		16,592	3.51	582							
1480596 AIRYTOP SIR SEELEY VALET.....*	21-10	64	1	5-11,13,	76	2.0	16,671	3.36	560	11	82	+659	-.16	0	+20
04-01-55 1245520 3304894 5-73				14,21,23	26		16,034	3.52	565							
1480608 EE-OAH-HOW GRAND SPARKLER.....*	35-05	40	2	7-33,35,	61	2.1	13,853	3.70	513	19	77	-411	.00	-15	-25
09-09-64 1277619 5053789 5-73				41,42,82	20		14,389	3.72	535							
1480644 OETERT MASTERPIECE.....	35-75	26	2	9-21,55,	38	2.2	16,802	3.65	614	14	69	+516	+.08	+30	+40
05-06-55 957873 4306450 5-73				57,82,93	66		16,241	3.55	577							
1480660 RO-OA-SYL VIC.....*		4	5	2-33,61	13	1.9	16,362	3.86	632	0	34	+137	+.05	+12	+14
04-25-65 1418579 5481045 5-73					22		16,131	3.76	606							
1480661 HARDY BRANCH CARNATION JON....		1	17	1-47	17	1.1	12,647	3.83	484	8	21	-453	+.05	-10	-22
01-20-65 1425327 3714287 5-73					1		14,880	3.62	538							
1480669 HOLLANDALE ADVANCER SKYANNE...*		3	13	2-21,23	17	2.2	15,111	3.52	532	6	29	+131	-.01	+3	+6
03-04-65 1241427 5328996 5-73					18		14,682	3.56	522							
1480697 KEN VER NEIL RAY REX.....*		1	12	1-35	12	2.1	15,845	3.72	589	11	23	+185	+.02	+10	+14
09-03-64 1444974 5612017 5-73					10		15,099	3.64	550							
1480729 STILLWELL ANN NEW YEAR.....*		4	13	2-33,72	36	1.9	12,522	3.98	499	22	44	-1,099	+.13	-23	-52
01-31-65 1293580 3742654 5-73					28		15,074	3.69	556							
1480735 HAYSSEN HISTORIAN.....*	35-75	61	2	18-21,35,	77	1.6	15,725	3.45	542	13	81	-134	-.15	-26	-25
05-26-65 1441472 3375453 5-73				41,55,91	30		16,058	3.62	581							
1480745 WA-KE KEYSTONE JIM.....*		7	2	3-23,52,	10	1.8	16,870	3.62	610	0	36	+483	-.02	+15	+27
02-14-65 1291028 5212869 9-72				54	19		15,660	3.67	575							
1480752 WESTPORT GEM PRINCE.....		2	23	1-93	34	1.7	15,122	3.68	556	11	33	-725	+.07	-17	-36
07-33-64 1284782 4225987 5-73					60		17,676	3.51	621							
1480767 PACLAMAR ECHO SABER.....*		3	11	1-47	23	1.8	17,406	3.69	642	0	36	+998	-.05	+29	+54
03-30-65 1429821 5484016 5-73					10		14,668	3.85	565							
1480768 PACLAMAR ECHO GALE.....*		2	9	1-91	16	1.7	16,532	3.46	572	17	31	+129	-.07	-5	0
05-07-65 1429821 5162061 5-73					40		16,312	3.68	601							
1480772 PACLAMAR B E JULES.....*		3	13	1-48	23	2.2	15,750	3.87	610	22	36	-101	+.03	+1	-2
02-23-65 1417390 4481083 5-73					15		16,219	3.80	616							
1480773 MCI WAYNE GOV VALE.....*		7	5	1-31	25	1.6	16,563	3.53	584	5	49	+514	+.01	+20	+32
02-18-65 1331971 5247960 5-73					45		15,638	3.50	547							
1480778 HAEGMAN D ADVANCER SUPREME JOY*		3	6	2-34,35	13	1.3	16,181	4.00	648	13	29	+158	+.04	+11	+14
03-02-65 1302555 4518698 5-73					9		15,769	3.93	619							
1480780 WILLOWLYN B B SNOWBALL PITCH..*		1	24	1-55	24	1.6	16,984	3.41	579	5	25	-52	-.02	-5	-6
01-10-55 1372747 3344228 5-73					42		17,513	3.49	612							
1480826 CHIND BESS EX JACK.....		1	30	1-93	30	1.9	17,750	3.40	603	0	26	+445	-.02	+13	+24
05-26-64 1294552 4932672 5-73					182		16,243	3.44	559							

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS	REC/DAU HERDMATE	MILK	% FAT	FAT	% 1ST LACT INC	% REPT	PREDICTED DIFFERENCES MILK	% FAT	FAT $$
1480829 EUREKA ROBURKE LAIRO.....	31-07	27	1	5-23,31,	34	1.8	15,622	3.58	560	7	66	+191	-.03	+2 +7
06-06-65 1035164 4632160 5-73				33,61,74	23		15,439	3.64	562					
1480840 CRESTON TORNADO.....*		1	34	1-34	34	1.7	14,684	3.82	561	8	26	+193	+.01	+9 +13
04-11-65 010233528 3590066 5-73					19		13,888	3.80	528					
1480844 SKOGEN FOBES ALLADIN.....*		2	19	1-35	26	1.7	14,713	3.55	522	5	30	-22	-.04	-6 -6
01-03-65 1237057 5979418 5-73					13		14,833	3.69	547					
1480850 ADDHR VICTOR PABST BEAUTIMAN..*		4	25	1-93	38	1.4	17,907	3.64	651	37	33	-370	.00	-14 -23
12-06-64 1274685 5256258 5-73					128		19,566	3.66	716					
1480855 SPRINGCROFT ACCENT.....*		4	16	1-23	21	2.0	19,014	3.67	698	6	30	+683	-.02	+21 +38
12-09-64 1378594 4280538 5-73					24		16,991	3.75	638					
1480862 JIMBODAV SHI MP.....		7	15	1-34	42	2.0	15,419	3.65	563	11	47	-466	+.12	0 -14
01-01-65 1087974 5470047 5-73					14		16,644	3.43	571					
1480864 ORIOLE HOME OLIVER MAPLE LANCE*		2	20	1-35	22	3.2	16,511	3.97	656	5	30	+201	+.07	+17 +20
07-17-63 1420413 5097929 5-73					24		16,008	3.81	610					
1480893 LILLYWHITE FOND INKA.....*		2	10	2-85,86	12	2.0	16,940	3.63	615	0	25	+156	.00	+5 +9
01-21-65 1243697 5617332 5-73					59		16,520	3.64	602					
1480892 ELEVATION TIDY NEB.....*		3	12	1-43	17	1.4	15,911	3.41	543	35	27	+73	-.05	-4 -1
08-01-64 1395116 5294220 5-73					70		15,778	3.59	567					
1480896 ELEVATION TIDY PERFECTION.....*		5	15	1-48	39	1.8	16,200	3.73	604	3	44	+8	+.03	+5 +4
03-10-65 1395116 4976975 5-73					12		16,381	3.67	601					
1480902 ELEVATION TIDY ROB.....		3	18	1-48	25	1.3	16,456	3.48	573	8	28	+191	-.03	+3 +8
12-30-64 1271810 5646708 5-73					12		15,931	3.57	569					
1480903 ELEVATION TIDY VICTORY R A....*		9	6	2-43,47	28	2.3	14,351	3.71	532	11	52	-420	+.04	-9 -20
03-09-65 1271810 4160528 5-73					51		15,239	3.64	555					
1480915 FANTASY SENATOR JACK.....		1	14	1-93	14	1.7	11,468	3.61	414	**	23	-285	-.01	-11 -18
01-21-65 1252985 3693167 5-73					65		12,545	3.66	459					
1480928 MUN-CRE HYPO.....*		2	16	1-23	18	2.1	15,127	3.66	553	11	27	+103	-.02	+1 +4
01-01-65 010252803 5563375 5-73					14		14,780	3.75	554					
1480937 COMMONWEALTH KSR CAPTAIN KING.*		5	9	1-61	19	1.6	13,706	3.70	507	40	34	-276	+.03	-6 -13
11-14-64 1358793 4985369 5-73					34		14,524	3.63	527					
1480956 JURIS-REGIS SKYLINER BURKGDV..*		5	23	2-48,73	30	1.2	13,732	3.44	472	**	27	-446	+.04	-10 -22
11-07-64 1405530 5593492 5-73					21		15,472	3.32	513					
1480976 ELLINGSWORTH SEN STATESMAN....		2	24	1-32	28	2.3	14,470	3.40	492	4	30	-332	+.01	-11 -19
02-23-65 1252985 4054825 5-73					13		15,708	3.41	535					
1480977 SHADY MEADOW EX DANNY BOY.....*		5	4	1-32	14	1.7	12,542	3.71	465	13	37	-270	+.03	-5 -12
08-12-64 1297400 5361724 5-73					18		13,150	3.63	478					
1480978 UNH PRESIDENT VERNON MAJESTY..*		1	21	1-12	21	1.4	16,399	3.88	637	26	23	-445	+.02	-13 -24
06-06-65 1447750 4465564 5-73					11		18,776	3.82	718					
1480989 ARBUR ORMSBY MARK.....	35-75	32	2	12-21,35,	41	1.9	16,404	3.64	597	19	71	+604	+.05	+30 +43
02-24-65 1222994 4861238 5-73				52,91,93	72		15,675	3.57	559					
1481013 CASH-MAR JERRY MAX.....*		2	17	1-52	19	2.0	13,278	3.70	491	6	26	-109	+.01	-3 -6
01-10-64 1382768 4972513 5-73					48		13,619	3.72	506					
1481033 MAUR-MAR ADMIRAL CRUSADER.....*		4	15	2-35,63	20	2.3	13,756	3.63	499	0	31	-1	-.02	-3 -2
01-03-65 1237057 5229015 5-73					15		13,692	3.74	512					
1481039 ELK-KREST REROYAL KNIGHT.....	35-75	17	1	11-23,52,	18	1.9	15,684	3.53	560	0	53	-192	-.01	-9 -13
03-06-65 1192713 4776467 5-73				57,91,93	78		16,457	3.56	586					
1481067 BEN IVANHOE LAURA EMPEROR.....		2	12	1-42	24	1.4	14,347	3.67	526	26	34	-310	+.03	-7 -15
09-02-64 1428809 5593378 5-73					11		15,364	3.61	554					
1481099 HAROLANE ALLIANCE MONTE.....		2	39	1-41	50	2.2	13,314	3.65	486	7	33	+11	+.01	+2 +2
07-13-64 1417208 5188986 5-73					9		13,158	3.63	477					
1481130 KITSONA O S REPETE-TWIN.....*		3	9	2-32,64	13	2.3	16,329	3.49	570	0	28	+387	-.03	+10 +20
11-21-64 1252985 4000583 5-73					10		15,032	3.57	536					
1481132 CENTURION ALMAC VOYAGEUR.....*		2	9	1-55	18	1.3	15,088	3.18	480	58	31	+110	-.08	-7 -2
03-13-64 010239301 011253416 5-73					26		14,772	3.41	504					
1481142 CAMPSTEAD BARON MARCUS.....*		4	8	1-13	16	1.7	14,937	3.82	569	7	31	-270	+.06	-1 -9
03-05-65 1279868 4954377 5-73					24		15,925	3.64	580					
1481145 SUNNYDECK DIVIDEND BONANZA....*		3	31	1-91	37	1.5	14,952	3.53	528	6	28	-268	+.04	-4 -11
06-16-65 1428349 4347759 5-73					37		16,082	3.42	550					
1481158 JD CLEARCREEK R A.....*	23-11	139	3	5-16,21,	236	1.9	13,761	3.81	524	26	92	-1,300	+.10	-34 -67
08-14-64 010252803 011169120 1-73				22,23,52	24		15,261	3.72	567					
1481163 MAPLESIDE CRISSCROSS JOEY.....*		8	6	4-12,13,	21	1.5	14,609	3.79	553	21	41	-393	+.06	-6 -17
12-27-64 1378594 4235401 5-73				14,21	23		15,692	3.66	575					
1481165 RICH-HERD TEXAL RJ MAINSPOKE..*		2	17	1-93	27	2.0	18,229	3.78	689	8	34	-251	+.05	-2 -9
10-21-64 1292776 5355851 5-73					128		19,476	3.69	719					
1481177 FINEVIEW DAGAN DARGO.....	21-10	39	1	2-13,21	44	1.9	15,282	3.63	555	19	73	-308	+.06	-3 -12
05-18-65 1223243 4392670 5-73					29		15,853	3.56	565					
1481178 L STABLES REFLECTION LAD.....		1	13	1-35	13	1.5	16,782	3.52	590	20	21	+11	-.03	-4 -3
05-03-65 1347065 4140887 9-72					12		16,992	3.67	623					
1481180 LANELESS CRESCENT PRIDE.....*		4	5	3-34,35,	11	1.7	14,134	3.98	563	17	29	-346	+.07	-3 -13
01-08-65 1316533 3796596 1-73				42	14		15,431	3.78	583					
1481198 COCHRAN CORVETT CASSIUS.....*		4	17	1-21	31	1.8	17,178	3.31	568	5	36	+327	-.13	-8 +3
01-11-65 1416743 4168517 5-73					11		16,488	3.65	601					
1481206 MIDEE WHIRLWIND MARK.....		1	24	1-93	24	2.2	17,105	3.37	576	0	26	+2	-.04	-6 -5
01-27-64 1221226 5146589 5-73					29		17,398	3.53	614					
1481211 WITWERS DJNLOGGIN BURKE.....		4	7	1-42	21	1.8	15,335	3.94	604	0	40	+45	+.10	+16 +14
12-29-64 1216567 5121476 5-73					22		15,315	3.72	570					
1481239 NEUEN-FALB REFLECTOR LAD.....	61-02	35	3	7-31,33,	53	1.6	15,631	3.44	538	17	72	-90	-.15	-24 -22
02-01-65 1298831 4801868 5-73				34,61,65	20		15,909	3.64	579					
1481248 ANGEL ACRES MATCH BEN PADDY...*		1	13	1-21	13	1.6	14,505	3.45	500	20	22	-79	-.02	-6 -7
04-17-65 1291498 5541572 5-73					19		14,923	3.56	532					
1481258 NELSONDALE PAT IVANHOE.....*		7	18	2-35,41	37	1.4	12,470	4.08	509	**	37	-441	+.10	-2 -15
01-11-65 1287090 5044048 5-73					17		13,596	3.80	516					
1481283 HANSELS CRISSCROSS ROMAN.....*		7	19	1-23	30	1.6	12,416	3.82	474	34	32	-312	+.04	-5 -14
11-27-64 1378594 6026905 5-73					13		13,274	3.69	490					

REGISTRATION NUMBER / NAME / OF / BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HO	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS HM/DAU	REC/DAU HEROMATE	MILK	%	FAT	% 1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1481287 SAWHILL ROYAL CHAMBRIC.....*	35-75	12	6	2-32,55	32	2.1	16,678	3.57	596	9	55	+432	-.03	+11	+22
C1-10-65 1276654 4818935 5-73					20		16,060	3.63	583						
1481290 METCALFS LAKEFIELD LARRY.....*		2	9	1-13	11	2.4	12,394	3.65	453	0	25	-305	+.04	-5	-13
03-09-64 1243697 5304221 9-72					11		13,515	3.49	471						
1481300 KING-STREET MAESTRO PANSTAR...*		2	19	1-34	21	1.5	15,998	3.46	553	21	25	+309	-.04	+5	+13
C1-10-65 1352344 5193555 5-73					16		14,793	3.62	535						
1481311 EDGEFIELD CAERNARVON IVANHOE..*		8	20	3-22,23,	32	1.6	14,095	3.97	559	14	33	-82	+.06	+5	+2
11-26-64 1388896 5199696 5-73				55	18		14,339	3.82	548						
1481329 USP MADCAP SUNNY SAUL.....		2	15	1-87	28	1.5	15,661	3.24	508	25	35	-208	-.02	-10	-15
C5-21-65 1237057 4048023 5-73					31		16,470	3.29	542						
1481361 CURTLIN IVANHOE PEORO-TWIN....*		2	10	1-23	19	1.7	15,920	3.77	600	6	34	+98	+.01	+5	+7
C5-20-65 1189870 4283327 5-73					49		15,766	3.76	593						
1481366 WALKER FARM PIEBE FOREMOST....	21-10	43	1	5-11,13,	45	2.0	16,211	3.51	569	13	74	+366	-.08	+2	+13
C5-12-65 1348259 4609485 5-73				14,16,21	26		15,865	3.60	571						
1481385 GREENWOOD BARUCH SHAMROCK.....*		2	12	2-21,22	14	1.7	18,127	3.45	626	0	24	+259	-.01	+8	+14
C3-19-65 1410208 3393298 5-73					62		17,358	3.47	602						
1481393 REFLECTION HYWAY SOVEREIGN....*		11	9	2-33,34	32	2.0	14,556	3.69	537	10	48	+290	+.02	+13	+19
C3-22-64 010229512 011670495 5-73					19		13,908	3.67	510						
1481408 N-C-MELVILLE DINAH PAT.....		1	12	1-55	12	1.9	15,824	3.58	566	25	22	-41	-.01	-3	-4
07-29-64 1291498 5747500 5-73					73		16,191	3.66	593						
1481412 HOJSIER-OELL SKOKIE OIND.....*		2	14	1-32	16	2.3	14,541	3.69	537	6	27	+110	+.02	+7	+9
C6-19-65 1315498 5485924 5-73					19		14,107	3.63	512						
1481441 MILLERHURST LUCROSS.....*		2	12	1-21	15	2.9	16,980	3.70	629	0	30	-171	+.01	-5	-9
C9-11-64 1423201 4853992 5-73					47		17,901	3.70	663						
1481460 IOEOGRAPH ROBURKE UNIFORUM....		2	33	1-93	62	1.8	17,735	3.50	620	12	41	-116	+.03	0	-4
09-29-63 1358823 3484942 5-73					140		18,426	3.42	631						
1481478 HUDDT WALDORF KING CLAYBOY....		2	24	1-57	26	2.2	12,444	3.85	479	5	28	-284	+.03	-6	-14
10-01-63 1284716 4744251 5-73					13		13,347	3.78	504						
1481500 JOINUS MAPLE OLIVER KING.....*		3	11	2-35,57	16	2.0	15,746	3.49	549	15	30	-55	-.03	-7	-7
11-27-64 1420413 5048535 5-73					15		16,106	3.61	581						
1481504 WO-CREEK ZIMMERMAN VICTOR.....*		2	15	1-61	17	2.4	13,199	3.62	478	0	27	-41	+.01	0	-1
06-15-64 1440571 5569697 5-73					12		13,236	3.57	472						
1481515 HICKORYRILL ADAPTER.....	21-10	42	1	2-13,21	43	2.1	15,287	3.60	551	15	74	-23	+.05	+7	+5
C3-10-65 1171458 5077994 5-73					26		15,423	3.53	544						
1481540 GREEN-MEADOW IVANHOE.....*	35-21	30	150	13-21,33,	221	1.7	13,825	3.70	512	8	37	-244	+.01	-7	-13
10-23-64 1189870 5258918 5-73				34,41,74	370		14,506	3.69	535						
1481548 WEDGELAND OAGAN BLOSSOM.....*		9	1	2-21,51	10	1.6	15,261	3.75	573	0	36	-131	+.09	+8	+3
05-15-65 1223243 4953909 5-73					27		15,759	3.52	554						
1481579 ZELSON JERRY ROBIN CECIL.....		1	12	1-21	12	1.6	19,620	3.56	698	9	21	+819	.00	+30	+49
C3-29-65 1333483 4986138 5-73					4		15,950	3.51	560						
1481583 BURWOOD GRAND REFLECTION.....*		3	5	1-35	11	1.9	15,177	3.69	560	9	30	-202	+.01	-6	-11
01-23-65 1347065 5325528 5-73					13		16,011	3.70	592						
1481599 O O & J WHIRLWIND SEGIS.....		1	11	1-42	11	1.3	13,051	3.85	503	0	19	-165	+.01	-7	-11
07-20-64 1221226 4866111 5-73					14		13,855	3.96	549						
1481632 MISSION LANE TRIUMPH.....		1	15	1-92	15	1.5	13,183	3.62	477	11	22	-47	+.01	-3	-4
C1-07-65 1405628 5525267 5-73					25		13,291	3.69	491						
1481671 TARA-HILLS BEST MODEL.....*		13	3	6-11,21,	21	1.4	15,099	3.81	575	19	47	-769	+.11	-13	-34
C3-27-65 010241954 4212666 5-73				23,43,55	42		16,991	3.61	614						
1481678 SUNTOP WILLOW PRINCE.....*		10	2	3-23,91,	14	1.6	14,567	3.65	532	33	43	-212	+.04	-2	-8
C4-15-65 1416901 5355013 5-73				92	19		15,139	3.58	542						
1481698 TALISMAN HILL OEE ANN ROGUE...*		4	8	2-35,63	13	2.2	17,531	3.26	572	20	30	+300	-.08	-1	+8
02-20-65 1386406 4875200 5-73					28		16,762	3.50	586						
1481752 LEDGEHOLM NAN SKY KING.....		3	6	1-13	14	2.6	17,077	3.86	659	9	35	+20	+.06	+9	+8
C7-25-64 1244845 4629442 5-73					39		17,311	3.73	646						
1481783 STELMO S S K ROCKETTE COMET...		1	11	1-43	11	1.6	14,680	3.34	490	20	21	-122	-.03	-8	-10
C9-27-64 1330649 4618254 1-73					11		15,357	3.49	536						
1481789 EARLYWAY CHRISTY ROEBUCK ECHO.*		9	6	3-35,71,	26	1.7	14,365	3.42	492	24	46	+160	-.03	+2	+6
C3-28-65 1404688 4574736 5-73				73	22		13,978	3.47	485						
1481810 HOJOS CHERRY HILL BOMAC.....*		4	19	2-11,14	24	1.5	16,580	3.46	573	26	28	+433	-.04	+10	+21
C1-06-65 1272863 4316209 5-73					18		15,087	3.58	540						
1481823 OISTINCTION LADDIE PILOT.....*		3	9	1-35	12	2.3	14,915	3.86	575	0	28	-104	+.03	0	-3
C5-14-65 1175596 4307904 5-73					18		15,387	3.80	585						
1481843 DUMBELLE CROSSFIRE.....*		1	11	1-23	11	2.1	15,744	3.93	619	18	22	+20	+.07	+11	+10
C3-10-65 1378594 5633549 5-73					20		15,797	3.63	573						
1481849 R & L LOPEZ STELLA RINGO.....*		3	5	1-48	14	1.9	14,107	3.42	483	25	35	-296	-.04	-17	-23
07-26-64 1255434 4899231 5-73					10		15,009	3.56	534						
1481865 JEPSON KNIGHT OJKE PAT.....*		4	14	3-33,61,	22	1.5	14,132	3.55	501	18	31	+98	-.02	0	+3
C4-09-65 1242221 4898348 5-73				64	66		13,748	3.63	499						
1481866 MACHOLD BURKE HELEN.....*		4	8	1-21	19	1.3	13,306	3.52	469	**	33	-308	+.02	-8	-16
C4-21-65 1150469 4340777 5-73					26		14,232	3.48	495						
1481880 BODE-ACRES MARQUIS CHIEF.....*		5	5	2-43,48	14	1.5	15,839	3.57	566	15	33	+186	-.01	+5	+10
C5-23-65 1459996 4368621 5-73					24		15,365	3.61	554						
1481894 BILJEAN MASTER PAT.....*		1	24	1-35	24	2.0	18,218	3.58	652	4	26	+566	-.05	+13	+28
C3-04-65 1291498 5328903 5-73					15		16,214	3.76	610						
1481935 SHADEL SUPREME RAG APPLE.....*		8	7	1-35	20	1.5	15,760	3.79	598	11	38	+39	+.03	+6	+6
11-13-64 1411876 5231226 5-73					23		15,798	3.72	588						
1481948 UMBRIAN REX VAR POLLY PERSEJS.		1	34	1-52	34	1.8	12,374	3.72	460	4	27	+110	.00	+4	+7
C3-23-65 010260599 4810892 5-73					35		11,693	3.72	435						
1481952 BRISTOL BARON LADDIE.....*	35-21	8	25	4-43,61,	39	1.4	14,828	3.61	536	21	33	+287	+.01	+12	+19
12-10-64 1404687 4605703 5-73				71,73	23		13,910	3.57	496						
1481962 ARLINOA CHIEF MONARCH.....*		9	13	1-93	51	1.5	16,233	3.55	576	11	51	+805	+.03	+33	+51
C5-17-65 1427381 5148782 5-73					54		14,680	3.47	510						
1481964 ARLINOA SUPER8 GOLD.....		4	4	1-93	14	1.2	18,379	3.53	648	8	33	+610	-.02	+19	+34
C5-04-65 1418174 4458309 5-73					38		16,768	3.56	597						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS	REC/DAU HEROMATE	MILK	% FAT	FAT	% 1ST INC	% REPT	PREDICTED DIFFERENCES MILK	% FAT	FAT $$
1481973 KINGSTEAD FOND HOPE.....*	35-05	4	24	2-51,55	30	2.1	17,800	3.87	689	4	30	+274	+.06	+18 +23
C2-24-65 1243697 5163305 5-73					36		17,177	3.73	641					
1481989 RICH-HERD MARLESS.....*	33-03	689	3	39-21,23,	1,170	1.5	14,801	3.66	542	17	98	-305	+.05	-4 -13
C5-11-65 1459996 4670990 5-73				31,33,35	28		15,193	3.62	550					
1482009 SPRINGCROFT CRAFTSMAN.....*		3	7	1-23	12	2.2	16,746	3.80	637	11	30	-144	+.04	0 -4
03-03-65 1378594 4280536 5-73					25		17,547	3.70	650					
1482023 TUAL-A-OAKS SELECT OAN.....		3	5	1-91	11	1.9	14,238	3.63	517	22	31	-647	+.02	-21 -37
03-12-65 1380550 4625455 5-73					23		16,566	3.60	597					
1482026 PAGEAIRE CITATION B.....*		5	10	2-23,35	29	2.2	14,635	3.85	564	11	45	-121	+.07	+6 +1
C1-11-65 1492073 5713078 5-73					25		14,964	3.71	555					
1482032 LONGMOOR ORMSBY REWARD.....		1	11	1-52	11	1.3	14,313	3.65	522	**	20	+23	.00	+1 +2
11-26-64 1259391 4493038 9-72					29		14,171	3.66	518					
1482073 GILLBROOK FOND BURKE-TWIN.....*		8	16	2-23,45	28	1.5	13,415	3.81	511	21	34	-9	+.04	+6 +5
05-16-65 1243697 4115195 5-73					47		13,339	3.68	491					
1482103 B Y U MAJESTIC JOLLY.....*		1	14	1-87	14	1.0	15,391	3.42	526	0	19	+7	-.01	-1 -1
11-30-64 1417720 4978577 5-73					105		15,461	3.49	539					
1482105 B Y U SUPREME REFLECTION.....*		2	13	1-87	15	1.1	14,583	3.57	521	0	22	-126	+.02	-2 -5
03-12-65 010264804 4393753 5-73					107		15,247	3.50	534					
1482114 KLEVER SUN DIAL.....		21	12	5-21,23,	74	1.9	15,884	3.65	580	15	64	+315	.00	+11 +19
12-15-64 1406271 4061463 5-73				31,32,34	21		15,503	3.66	568					
1482115 BROWNDALE REFLECTION RADAR....*		33	8	7-21,23,	109	1.8	13,893	3.53	491	20	76	-873	-.03	-35 -55
11-01-63 010242033 010967925 5-73				32,34,57	26		15,117	3.58	541					
1482118 TOTERA VINTON.....*		7	4	4-34,52,	16	1.8	13,557	3.93	533	33	39	-274	+.08	+2 -7
06-13-65 1244845 4602919 5-73				54,55	21		14,242	3.72	530					
1482125 MARQUART ROYALTY.....		1	18	1-35	18	2.2	14,895	3.34	498	18	25	+110	-.07	-6 -2
10-11-64 1397752 4841813 5-73					14		14,464	3.65	528					
1482128 BROWNVALLEY FOBES PAT PRIDE...*		4	25	2-23,51	31	2.0	13,648	3.77	514	13	30	-127	-.03	-9 -11
C3-04-65 1157986 4899320 5-73					23		14,037	3.93	551					
1482152 MAGROVE GOLDEN CHARIOT.....*		1	13	1-13	13	1.9	16,912	3.45	583	0	23	+220	-.01	+7 +12
C3-26-65 1455531 4386176 1-73					26		16,126	3.44	555					
1482166 DIAMOND J DUSTY EMPIRE.....	91-13	47	6	3-91,92,	112	1.7	16,198	3.55	575	19	80	+115	-.08	-7 -2
C3-30-65 1205185 4975476 5-73				93	42		16,239	3.65	592					
1482174 COMMONWEALTH CSH NEO TIM.....*		2	12	1-61	15	1.2	14,099	3.62	510	33	24	-297	+.01	-10 -17
C1-26-65 1308101 5401630 5-73					23		15,451	3.62	560					
1482185 CHAOBOURNES CHARLO SAM.....*		1	11	1-11	11	1.0	11,463	3.86	443	0	18	-208	+.01	-6 -11
C2-20-65 1231982 5282740 5-73					17		12,415	3.83	476					
1482189 COLLINS-CREST PERFECTION LUKE.	21-10	48	1	4-13,14,	51	2.5	16,224	3.54	575	15	77	+586	-.01	+20 +34
C9-12-64 1307195 4004934 5-73				21,23	24		15,586	3.54	552					
1482196 OKLASTAPEN HOPE SIR POLKADOT..*		4	10	2-48,73	18	2.4	17,284	3.33	576	7	35	+578	-.11	+4 +21
C1-02-65 1403074 4981491 5-73					41		15,759	3.60	568					
1482198 MILKY-OELL STYLEMASTER ROYAL..	35-75	25	1	11-21,23,	30	1.7	16,091	3.67	612	11	63	+599	+.06	+30 +43
07-05-65 1175471 5043237 5-73				35,91,93	56		15,896	3.58	569					
1482213 ADDHR TIDY LUNDON.....*		3	30	1-93	34	2.1	14,396	3.84	553	3	30	-139	+.08	+7 +2
02-10-65 1439549 5170191 5-73					349		14,922	3.56	531					
1482271 LILY POND SOVEREIGN PAT.....*		11	15	7-33,34,	33	1.6	16,119	3.59	578	10	39	+585	-.03	+16 +31
C5-29-65 010283103 4773157 5-73				35,41,42	317		14,630	3.68	538					
1482274 FULTONWAY JOHANN.....*	35-75	581	4	40-21,23,	1,092	1.7	14,551	4.12	599	15	98	-1,015	+.51	+32 -5
C1-11-65 1378594 3932472 5-73				32,35,41	28		15,722	3.64	572					
1482288 TOPS ROCKY KING GEORGE.....*		9	27	2-11,93	46	1.3	16,418	3.53	580	5	34	-57	-.03	-7 -7
C5-17-65 1386231 4971291 5-73					45		16,830	3.64	612					
1482290 ROYAL OEVON ROCKET.....*		9	1	4-11,12,	10	1.8	16,496	3.47	572	25	37	+376	-.06	+5 +15
C4-27-64 010252803 011455260 1-73				13,14	19		15,612	3.61	564					
1482291 HIGH MEADOW FARM SKYBURKE LAD.*		1	15	1-21	15	1.5	17,023	3.59	632	**	22	+227	+.02	+11 +16
04-22-65 1425280 5099737 5-73					32		16,828	3.51	591					
1482294 ODOO FARMS BEAU GESTE MARCUS..*		1	57	1-23	57	1.9	14,663	3.52	516	9	28	-284	+.04	-5 -13
12-10-64 1423862 5217076 5-73					69		15,821	3.40	538					
1482317 JOLIN IDEAL FINEST UNA.....		1	22	1-52	22	2.0	13,358	3.68	492	0	26	+3	+.02	+3 +3
12-31-64 1330681 4747588 5-73					75		13,232	3.60	476					
1482337 ESSBEE REFLECTION SUPREME.....		1	21	1-57	21	1.9	13,681	3.49	477	0	25	+166	-.01	+4 +8
10-20-64 1347065 5266968 5-73					26		12,875	3.54	456					
1482370 ROSARITA SUPERB CROSS.....*		2	25	1-93	27	1.5	17,711	3.63	678	6	26	+306	.00	+11 +18
C4-01-65 1378594 4226351 5-73					54		16,762	3.86	647					
1482377 CHAMBRIC MOO-HAVEN SARGENT....*		2	14	1-23	16	1.8	13,702	3.64	499	13	25	-177	-.01	-8 -12
02-10-65 1425137 5012147 5-73					50		14,421	3.71	535					
1482380 LEO-BUR ELATION DUKE.....*		3	8	1-34	17	1.6	14,839	3.50	520	36	34	-327	-.03	-16 -23
02-08-65 1318980 5691971 5-73					32		15,974	3.61	577					
1482392 PEE-JAY SEGIS MODEL.....*		1	11	1-21	11	2.0	8,998	3.50	315	0	22	-388	-.02	-17 -26
C1-06-65 1216668 3976003 1-73					19		10,365	3.69	382					
1482393 GREGGLAND ORMSBY MODEL.....*		8	5	4-13,21,	22	1.4	13,576	3.35	455	11	45	+72	-.07	-8 -4
05-13-65 1371183 5899241 5-73				41,42	20		13,308	3.53	470					
1482415 PUGET SOUND GOLDEN HERITAGE...*		9	19	2-41,47	50	1.9	13,534	3.61	489	12	47	-199	-.01	-9 -13
09-11-64 1215448 5878150 5-73					37		13,915	3.66	509					
1482420 RICH-HERD REFLECTION INTEGRITY		8	10	1-87	36	1.8	15,951	3.41	544	18	49	+11	.00	0 0
01-10-65 1432351 3740875 5-73					13		16,100	3.39	546					
1482432 SPREUSVIEW BESS GALLANT BOY...*		4	6	1-21	12	1.8	16,832	3.29	553	8	31	+40	-.05	-6 -4
C3-30-65 1329588 5017174 5-73					30		16,959	3.44	583					
1482440 NUNUNOAH SHAMROCK.....*		4	3	1-23	11	1.8	14,788	3.74	553	0	34	+69	.00	+2 +4
07-08-64 010260599 4660662 5-73					29		14,603	3.77	550					
1482475 COLOSPRINGS LAD OOEN.....*		2	13	1-51	23	2.0	14,689	3.66	538	26	35	+4	.00	0 0
11-18-64 1122127 5177664 5-73					44		14,710	3.67	540					
1482482 WELCH ACRES CHARIOTEER REGAN..*		4	5	3-11,12,	13	1.9	16,312	3.78	617	8	34	+473	.00	+17 +28
07-18-64 1254887 5352990 5-73				14	11		14,956	3.82	572					
1482497 GILLBROOK AUTONOMOUS.....*		4	9	1-23	14	1.6	12,471	3.55	443	42	28	-274	-.03	-14 -20
07-23-65 1450795 4565668 1-73					41		13,346	3.71	495					

REGISTRATION NUMBER	NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HO	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS HM/DAU	REC/DAU HEROMATE	MILK	%	FAT	% FAT	1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1482517	BOJIC REFLECTION MAHOMET-TWIN.*		2	11	2-31,61	13	1.4	16,231	3.88	630	50	23		-194	+.01	-5	-10
05-05-65	1445718 4299351 5-73					16		17,392	3.88	674							
1482538	WESTLANE LAKEFIELD FLORA.....*		5	3	1-21	10	1.3	13,922	3.66	509	10	29		-452	+.04	-11	-23
03-24-65	1243697 4492618 5-73					14		15,606	3.54	553							
1482539	BRISTOL ESTEEM MAC.....*		3	30	2-35,74	51	2.2	14,748	3.51	517	10	39		-20	-.10	-15	-13
02-04-65	1344345 4182534 5-73					19		14,849	3.78	562							
1482566	FOXLEASE IVANHOE OEAN VAR.....		4	4	1-52	10	2.0	15,516	3.54	549	11	32		-124	-.01	-6	-9
01-27-65	1441298 4373389 9-72					12		16,079	3.59	578							
1482579	KODI OUKE PRINCE.....*		1	44	1-93	44	1.6	14,549	3.58	521	24	26		-440	-.03	-20	-30
02-03-65	1288010 4467711 5-73					74		16,435	3.72	612							
1482595	FULTONWAY ADAM.....*		4	10	1-21	34	1.6	16,253	3.67	596	6	46		+82	+.01	+4	+6
02-25-65	1243697 4382863 1-73					12		16,263	3.66	595							
1482620	LEDAL FANCY HEADMASTER.....		1	11	1-11	11	2.0	14,014	3.88	544	0	23		+174	+.04	+12	+15
04-28-65	1349029 4978472 5-73					18		13,115	3.71	486							
1482623	ROSS FARM IVAN HOMER.....*		3	7	1-12	13	1.5	13,203	3.92	517	8	28		-313	+.05	-4	-13
03-17-65	1407266 4872964 5-73					21		14,301	3.74	535							
1482632	M V B A LAD EMMA MARTIN.....	41-01	31	2	3-41,42,	43	1.7	14,006	3.57	500	9	68		-271	-.04	-15	-21
10-22-64	1247308 4892288 5-73				81	24		14,406	3.64	524							
1482657	SRM IVANHOE JUBILENT.....*		4	5	2-11,14	10	1.5	14,282	3.34	477	33	26		-165	-.04	-12	-15
02-23-65	1387438 5467459 5-73					18		14,967	3.51	525							
1482658	FARIA FARMS MONARCH BEAU.....		1	26	1-93	26	1.5	17,975	3.54	637	0	24		+156	.00	+6	+10
02-13-65	1300367 5788330 5-73					74		17,665	3.53	623							
1482697	GIANT-ELM PIONEER.....*		4	5	1-12	12	2.0	14,179	3.60	510	17	34		-398	+.02	-11	-21
03-09-65	1292880 4039126 5-73					20		15,460	3.55	549							
1482712	DORCIS SKOKIE LEADER.....*		7	2	3-42,43,	10	1.6	14,206	3.48	495	13	33		+140	-.01	+3	+7
03-24-65	1288610 5353536 9-72				47	11		13,721	3.52	483							
1482718	LUOVJE SKYCROSS OELUXE.....		1	11	1-42	11	1.8	13,958	3.70	517	29	21		-71	+.02	0	-2
05-07-65	1441148 5245331 5-73					24		14,288	3.62	517							
1482722	SKOKIE STAR MAGISTRATE.....*	33-03	16	1	10-12,23,	18	1.1	13,619	3.82	520	24	47		-781	+.06	-20	-40
02-04-65	1410984 4581461 5-73				35,41,93	39		15,373	3.71	570							
1482724	SKOKIE X SHAMROCK.....*		1	30	1-21	30	1.4	11,224	3.72	417	39	24		-128	.00	-5	-8
04-08-65	1424208 4928120 5-73					30		11,460	3.79	434							
1482736	LILY POND RAG APPLE MAPLE.....*		1	23	1-34	23	1.7	16,144	3.59	579	5	25		+440	-.03	+12	+23
07-08-65	1386406 5476502 5-73					7		14,374	3.69	530							
1482739	HOMESTEAD FARM X LUKE.....*		1	21	1-14	21	2.1	14,858	4.16	618	10	26		-249	+.07	+1	-7
10-31-64	1378594 5526454 5-73					18		15,981	3.90	623							
1482768	WHITELYN SKOTION.....*		1	10	1-51	10	1.6	13,847	3.51	486	0	20		+359	-.03	+8	+17
02-19-65	1280015 4736493 5-73					6		11,793	3.72	439							
1482786	HULONG IVANHOE REF JEAN OUKE..*		3	19	1-34	27	1.3	13,091	4.24	555	41	29		-755	+.13	-9	-30
02-20-65	1408738 4683505 5-73					18		15,853	3.77	598							
1482818	WESTSIDE PREFERRED ROBURKE....	35-75	36	2	12-21,35,	47	2.0	16,466	3.53	581	10	74		+348	-.03	+8	+17
04-05-65	1365220 3936118 5-73				55,91,93	105		16,174	3.56	576							
1482826	MAPLE OAK CRAIG LYSHA ERIC....		1	17	1-11	17	1.5	16,906	3.71	628	0	22		+48	.00	+2	+3
03-07-65	1273756 5250448 1-73					18		16,948	3.72	630							
1482853	CABHI MASTER MARK.....*		4	6	1-21	14	2.2	16,771	3.64	610	14	36		+236	+.02	+12	+17
04-21-65	1222994 4175014 5-73					32		16,298	3.57	582							
1482873	CLAYACRES BLENDSTAR NOOAR.....		3	10	1-34	22	2.4	15,568	4.03	628	13	39		-76	+.10	+12	+8
09-15-63	1244631 5124719 5-73					14		15,918	3.81	607							
1482879	OLIRLICH BERWALDS DOMINATOR...		1	20	1-46	20	3.2	14,229	3.48	495	5	28		+205	-.02	+5	+10
09-21-63	1300431 4364740 5-73					6		13,393	3.52	471							
1482902	SHETLARS IDEAL CHIEFTAIN.....		1	12	1-48	12	1.1	14,808	3.10	459	0	19		-176	-.05	-13	-16
07-04-65	1404814 4837783 5-73					20		15,890	3.35	533							
1482905	FERTILE MEADOWS T N INKA.....		1	48	1-33	48	1.5	13,760	3.83	527	19	26		-411	+.03	-11	-21
03-21-65	1332101 4705034 5-73					14		15,464	3.76	581							
1482907	FERTILE MEADOWS EUTOPIA ROYAL.*		3	12	1-35	19	1.8	12,700	3.83	486	0	31		-360	+.04	-7	-17
03-22-65	1452852 5164503 5-73					33		13,815	3.70	511							
1482914	ADDOWIS MADDU SKOKIE OUKE.....*		1	11	1-35	11	1.7	13,598	3.52	479	27	21		-90	.00	-3	-5
05-03-65	1288510 5518909 5-73					23		13,984	3.53	493							
1482926	ROCK LINE FORTY-NINER.....*		5	5	1-21	17	1.9	16,236	3.42	555	10	41		+54	-.05	-5	-2
10-26-64	1283917 4385450 5-73					16		16,296	3.52	574							
1482944	SKOKIE X RAG APPLE.....*		1	20	1-42	20	2.0	12,702	3.49	443	5	26		+141	-.03	+1	+5
04-17-65	1424208 4409048 5-73					8		11,901	3.62	431							
1482945	ECHO-GLEN GLAMOUR BOY.....	31-07	43	2	6-31,32,	56	1.7	14,443	3.54	512	13	76		-188	-.02	-9	-13
05-01-65	1282185 4338011 5-73				61,74,84	22		14,726	3.57	526							
1482960	EXRANCO SATURN.....	93-03	8	9	1-93	30	1.5	17,221	3.65	628	24	44		+7	+.03	+5	+4
05-28-65	1397089 3596419 5-73					172		17,518	3.58	628							
1482962	EXRANCO GEMINI.....	93-03	2	13	1-93	17	1.7	16,594	3.69	612	53	26		-334	+.04	-7	-16
05-08-65	1253351 4931670 5-73					197		18,248	3.61	658							
1482975	YARSONS ROBURKE PATRIARCH.....	35-75	24	1	13-13,31,	30	1.9	15,817	3.71	587	26	64		-211	+.03	-3	-9
08-02-65	1291498 4311960 5-73				35,41,55	46		16,344	3.68	601							
1483039	BARE RAVEN.....		1	12	1-52	12	2.2	11,577	3.46	401	0	24		+60	-.03	-2	0
12-05-64	1221226 5582656 5-73					21		10,981	3.68	404							
1483048	ROCK HOME SUNSHINE.....*		11	5	4-35,48,	30	1.3	16,139	3.60	581	7	50		+666	-.02	+21	+37
07-08-65	1406271 4995231 5-73				73,74	23		14,839	3.64	540							
1483067	COUNTRY SKY CHIEF HARTOG JUDGE		4	17	1-87	22	1.4	16,480	3.42	564	24	27		+48	+.01	+3	+4
06-01-65	010256075 4141897 1-73					41		16,518	3.38	558							
1483071	WINDOWIS ADAM SKYLINER-TWIN...		1	10	1-35	10	1.4	13,084	3.50	458	13	20		-186	-.03	-11	-15
05-17-65	1451698 4877223 5-73					5		13,998	3.73	522							
1483077	BERGWAL BANNER CHARMER JAY....*		8	5	1-41	23	1.9	14,962	3.58	535	18	47		-135	-.03	-9	-11
08-03-65	1357743 3579051 5-73					16		15,346	3.66	561							
1483083	IDEOGRAPH THORNLEA BRAVE.....*		2	25	1-81	27	1.8	15,211	3.79	576	7	27		-88	+.06	+5	+1
02-03-65	010254804 5009598 5-73					21		15,673	3.57	560							
1483085	IDEOGRAPH MARQUIS SUNNY.....		4	23	3-81,82,	29	2.0	15,018	3.48	522	7	31		+145	-.08	-6	-1
07-11-65	1459996 5247456 5-73				93	23		14,560	3.76	548							

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS	REC/DAU HM/DAU	HERDMATE	MILK	%	FAT	% INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1483087 IDEDGRAPH BURKGOV HERCULES....*		8	12	2-87,93	41	1.8		20,431	3.24	662	3	49	+1,531	-.16	+29	+70
07-20-65 1038509 4630634 5-73					65			17,594	3.48	612						
1483100 OAK ROAD WHIRLWIND CHAMPION...*		1	14	1-74	14	1.4		9,879	3.41	337	54	21	-562	+.02	-18	-32
01-26-65 1221226 4157259 5-73					21			12,312	3.38	416						
1483107 E M C ROYAL PACIFIC.....		1	14	1-93	14	1.6		14,916	3.67	548	0	23	-216	-.03	-12	-16
04-05-65 1386287 5056901 5-73					39			16,048	3.84	616						
1483117 SANDHURST JASON NEMO.....		2	7	1-33	11	1.1		15,968	3.85	614	0	24	+211	+.05	+15	+19
05-27-65 1215995 3892539 5-73					1			15,152	3.65	553						
1483132 LUDVUE SENATOR ROBURKE.....*		1	14	1-42	14	1.4		13,625	3.63	495	0	22	-319	+.03	-7	-15
08-08-65 1252985 4481154 5-73					5			15,192	3.51	533						
1483152 CENTRALIA CRISSCROSS MAGICIAN.		4	8	2-42,47	16	1.6		13,177	3.48	458	38	31	-200	-.02	-10	-14
04-07-65 1378594 4944878 5-73					14			13,757	3.57	491						
1483153 CENTRALIA JUNIOR SENATOR.....		1	16	1-42	16	1.5		12,199	3.50	427	14	22	-335	-.03	-16	-23
05-27-65 1252985 4279673 5-73					2			13,627	3.67	500						
1483177 WALRIDGE SUNNY LUKE.....*		2	10	2-31,34	12	1.8		16,582	3.58	593	27	24	+37	.00	+2	+3
01-10-65 1406271 3678532 1-73					55			16,655	3.55	592						
1483229 SINKING-SPRINGS SMOKEY BRIGHT.*		6	2	2-23,51	11	2.2		17,597	3.76	661	0	38	+275	.00	+10	+17
03-27-65 1436258 5201332 5-73					19			17,143	3.77	646						
1483233 BOTTHAVEN SOVEREIGN DUKE.....*		1	14	1-34	14	1.8		13,136	3.94	517	17	23	-395	+.05	-7	-18
07-25-65 1446241 4530498 5-73					13			14,894	3.73	555						
1483236 SINGING BROOK MONOGRAM FARMER.*		2	15	1-23	17	2.1		16,935	3.54	599	23	26	+375	-.04	+8	+18
05-11-64 1335787 4527888 5-73					24			15,629	3.66	572						
1483244 OARLING FARM PONTIAC SILVER...*		2	8	1-21	10	1.3		11,923	3.94	470	44	21	-920	+.11	-18	-43
05-24-65 1441741 4311701 1-73					11			16,522	3.41	564						
1483247 BARMAH RAINIER RICKY.....	35-75	23	2	10-23,35,	34	1.9		15,993	3.55	568	16	66	+266	-.03	+5	+12
05-18-65 1023059 4700925 5-73				41,55,93	45			15,723	3.59	565						
1483280 LANCO ROYAL CYCLONE.....*		2	8	1-35	10	2.4		17,469	3.42	597	20	25	+378	-.08	+2	+13
04-28-65 1397752 5058910 5-73					13			16,123	3.71	598						
1483287 RICH-HERD TEXAL TRAILMASTER...	31-07	56	4	8-41,45,	96	1.6		15,623	3.46	540	13	80	+385	-.09	0	+12
07-20-65 1126307 3974563 5-73				46,82,87	34			15,227	3.56	542						
1483317 LOHART VICTOR IDA OUKE.....		2	21	1-52	23	1.7		12,015	3.66	440	**	26	-170	+.03	-2	-7
07-22-65 1359029 4867157 5-73					27			12,472	3.57	445						
1483336 WEISSOALE TOP CROSS.....*		16	7	3-21,23,	38	1.6		15,370	3.99	614	14	54	+81	+.11	+19	+18
01-15-65 1378594 4931593 5-73				55	19			15,313	3.82	585						
1483342 LONBRIK VAN HOOSEN.....*		1	27	1-91	27	2.3		14,184	3.55	503	8	27	-63	-.02	-5	-6
05-19-65 84287 5444690 5-73					55			14,423	3.64	525						
1483379 G&F PRIDE ADMIRAL BEETS.....*		7	2	5-11,14,	12	1.3		14,712	3.55	523	20	36	-402	-.01	-16	-25
08-23-65 1237057 5017475 5-73				15,16,21	14			15,999	3.59	575						
1483387 SUNNYOECK NACHES FLASHY JOE...*		5	19	1-91	29	1.6		16,506	3.27	540	11	32	+265	-.11	-6	+3
03-06-65 1079115 4612103 5-73					32			15,828	3.58	567						
1483416 WRENTHAM CURT ADMIRAL IRVING..*		1	39	1-14	39	2.1		19,039	3.95	752	5	28	+573	+.01	+22	+35
05-14-65 1237057 5090536 5-73					31			17,289	3.99	690						
1483442 SWATARA HILL CRISSCROSS JESS..*		2	14	2-23,71	16	2.0		13,433	3.76	505	27	26	-292	+.03	-7	-15
11-24-64 1378594 5129218 5-73					52			14,589	3.67	536						
1483445 GRAY VIEW CAVALIER.....*	35-05	75	2	7-23,33,	107	1.6		13,733	3.84	527	20	65	-684	+.13	-7	-26
03-26-65 1424208 5108940 5-73				35,41,42	17			14,559	3.70	538						
1483446 GRAY VIEW SKYBOOTS.....*	33-03	476	3	36-21,23,	783	1.5		15,123	3.56	539	13	97	+158	-.07	-5	+1
03-29-65 1396617 3352652 5-73				33,35,42	25			15,023	3.65	548						
1483464 HAYSSEN RAG APPLE STATESMAN...*		1	15	1-35	15	2.0		10,711	3.40	364	8	24	-310	-.01	-13	-20
08-05-65 1420020 5540287 5-73					31			11,746	3.50	411						
1483472 KNOLLSIDE LOPEZ JACQUES.....		1	10	1-41	10	1.9		16,301	3.11	507	10	21	-140	-.05	-12	-14
08-08-65 1255434 5315165 5-73					20			17,243	3.32	573						
1483473 KNOLLSIDE REFLECTION CARY.....*		5	29	4-41,45,	36	1.7		15,071	3.57	538	17	30	-38	-.03	-5	-5
06-18-65 1347065 4178116 5-73				46,47	23			15,292	3.68	562						
1483482 VIR-BEN DUTCH SKY.....		1	46	1-34	46	1.8		14,616	3.62	529	15	27	-130	+.03	0	-4
06-24-64 1244845 4369779 5-73					23			15,185	3.53	536						
1483489 ANEOAW CAPITAINE OIVIOEND.....*		4	6	1-41	14	1.7		15,252	3.76	574	0	34	-152	+.11	+10	+4
03-10-65 1435523 5437931 5-73					16			15,847	3.46	548						
1483494 ELM-LIM IDEAL FURY TRADEMARK..*		14	8	3-48,73,	42	1.7		17,634	3.70	652	15	56	+274	+.06	+19	+24
01-19-65 1381027 4713646 5-73				74	19			17,450	3.61	630						
1483508 TALOGA CRESCENT BEAUTY BONUS..*		5	4	1-43	13	1.9		10,788	3.60	388	0	37	-677	-.01	-26	-42
10-21-64 1316533 3729259 5-73					23			12,435	3.65	454						
1483513 WALHOWOON YEOMAN M SQUIRE.....*		3	5	2-12,13	12	1.7		13,916	3.53	491	17	31	+50	-.02	-1	+1
04-18-65 1416113 4812718 5-73					28			13,684	3.62	496						
1483532 STILES FARM DESIGN BARON.....*		3	6	2-11,12	12	1.3		14,308	3.78	541	33	28	+90	+.02	+6	+8
05-06-65 1453531 5097293 5-73					16			13,943	3.73	520						
1483536 ROAMER CRISSCROSS PIETERTJE...*		5	13	2-35,63	23	1.7		16,570	3.61	598	22	34	-142	-.01	-7	-10
03-13-65 1378594 4410806 5-73					20			17,286	3.66	632						
1483540 ROMANOALE TEXAL MAPLE.....*		11	23	7-22,31,	65	1.9		15,601	3.38	528	12	49	+81	-.06	-6	-2
11-21-63 1382176 011371335 5-73				35,85,86	106			15,551	3.51	546						
1483562 RELI MAPLE LANE CRUSADER.....		1	11	1-33	11	1.0		15,847	3.59	569	**	18	+89	-.02	+1	+4
04-15-64 1379024 4437156 5-73					12			15,466	3.68	569						
1483614 RINCON MAGIC IVAN.....		2	19	1-93	21	1.5		16,740	3.67	614	24	25	-57	+.01	0	-2
06-16-65 1408738 4829782 5-73					62			17,261	3.62	625						
1483617 JAYHAWK TRIUNE INSIGNIA PEANUT		5	4	2-43,48	16	1.7		14,822	3.61	535	**	40	+134	-.03	0	+4
09-08-64 1234506 5345469 5-73					8			14,495	3.73	540						
1483633 DUNLO SKOKIE COMRE.....		1	16	1-41	16	2.1		12,378	3.89	481	**	25	-555	+.05	-13	-27
10-01-63 1242338 5052004 5-73					8			14,667	3.67	538						
1483645 BROWNES BURKGOV CAESAR.....*		5	3	2-11,54	10	1.2		14,526	3.38	491	**	29	+47	-.07	-8	-5
03-01-65 1038509 5308135 5-73					14			14,360	3.63	521						
1483656 JO FOHON SKYWAY ROBURKE.....*		1	40	1-41	40	1.8		15,694	3.22	506	11	27	+163	-.03	+1	+6
07-13-64 1431992 4419507 5-73					6			15,158	3.31	502						
1483668 MATCH-MATE TEMPEST PRINCE.....*		2	8	1-21	14	2.1		13,367	3.52	471	18	31	-461	-.02	-20	-30
10-12-64 1420020 5479625 5-73					17			14,915	3.63	541						

REGISTRATION NUMBER NAME DF BULL	STUO CODE	NUMBER DF HERDS	EFF DAU /HO	STATES ND- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS REC/DAU HM/DAU	HEROMATE	MILK	%	FAT	% 1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1483675 HIRSCHLER PRUDY REFLECTION MAX*		4	7	1-47	18	2.2	16,503	3.95	652	0	38	+181	+.04	+12	+15
C9-08-64 1383926 4106578 5-73					23		16,208	3.91	633						
1483685 MOST FOBES IVAN-TWIN.....*		1	14	1-35	14	1.9	14,354	3.63	521	15	24	+83	-.02	0	+3
C9-08-64 1287090 4893033 5-73					15		13,958	3.74	522						
1483713 PACLAMAR TRIUNE NEEDLE-TWIN...*	93-19	10	8	3-48,73,	24	1.5	19,628	3.60	707	9	41	+1,020	-.01	+35	+60
06-02-65 1450228 4798810 5-73				86	23		17,471	3.63	635						
1483717 PACLAMAR TRIUNE EMIL.....*		5	20	1-22	34	2.1	18,008	3.52	634	11	37	+752	-.07	+17	+37
C7-15-65 1450228 5422866 5-73					21		16,140	3.68	594						
1483718 PACLAMAR MANDATE.....*		6	16	3-42,45,	36	1.9	16,267	3.49	567	6	41	+527	-.02	+16	+29
C7-31-65 1450228 4968223 5-73				46	24		15,057	3.52	530						
1483720 PACLAMAR TRIUNE COMPLETE.....*	23-09	4	21	1-48	46	1.8	20,800	3.43	714	5	39	+1,149	-.06	+32	+61
08-07-65 1450228 5029427 5-73					41		18,213	3.54	644						
1483722 PACLAMAR GOLIATH.....*	93-19	5	16	2-82,91	25	2.5	17,269	3.36	580	4	35	+653	-.12	+6	+25
C6-04-65 1429821 5341378 5-73					43		15,511	3.66	568						
1483723 PACLAMAR CRITERION.....*	33-03	14	10	5-43,48,	42	2.1	16,503	3.64	600	10	54	+729	.00	+27	+44
C7-08-65 1492073 4521313 5-73				71,73,74	33		15,240	3.63	553						
1483724 PACLAMAR M BOLO.....*		2	34	1-33	36	1.8	14,789	3.94	582	6	27	-120	+.02	-1	-4
C7-14-65 1459996 4814537 5-73					9		15,326	3.89	596						
1483726 PACLAMAR B E GRANGER.....*		13	13	4-42,48,	43	1.6	15,394	3.53	543	13	48	-360	-.04	-18	-26
C7-17-65 1417390 4497714 5-73				84,93	54		16,350	3.60	589						
1483735 VALLEYREST APAR SUPREME.....*		2	14	2-34,41	16	1.0	16,631	3.41	567	**	21	+419	-.04	+9	+20
C8-29-64 1432053 5557572 1-73					7		14,705	3.59	528						
1483747 AL-SAN MASTER OAKE.....	35-75	30	2	14-21,35,	38	1.8	15,944	3.64	580	9	69	-164	+.06	+3	-3
C6-07-65 1175471 4127641 5-73				41,55,93	92		16,384	3.55	582						
1483750 CRESCENT BEAUTY TALENT.....*	33-03	5	6	4-31,33,	12	1.8	14,063	3.81	536	9	30	+64	+.01	+4	+5
C6-15-65 1080108 5256049 5-73				34,35	14		13,791	3.79	522						
1483798 LAVACRES OREGON SOLDIER.....	93-16	5	15	1-93	34	1.4	16,114	3.48	561	20	39	-228	-.02	-11	-16
C6-17-65 1338796 5185253 5-73					92		16,964	3.53	599						
1483801 ABELDALE HIRSCHLER REMEMBERWIS*		5	11	1-47	22	2.4	17,087	3.82	653	5	38	+422	-.01	+14	+24
C6-15-64 1422258 4730359 5-73					27		16,150	3.88	626						
1483804 LEAVITT FARMS IRVING.....		2	31	1-11	33	1.8	16,272	3.58	583	3	27	+32	-.02	-2	-1
C3-09-65 1349329 5528676 5-73					28		16,352	3.69	604						
1483814 LEDHOST COUNT LUCY BURKE.....*		1	11	1-48	11	1.6	14,489	3.52	510	9	20	+113	.00	+4	+7
C5-27-65 1236222 5424769 5-73					65		13,882	3.49	485						
1483833 SUNNYNOTCH NATHAN FOBES.....*		3	12	1-42	27	2.0	12,225	3.88	474	19	40	-414	+.04	-9	-20
12-25-64 1287090 5229675 5-73					10		13,130	3.79	497						
1483844 HARBORCREST HAPPY CRUSADER....*	35-05	289	8	27-31,33,	524	1.2	15,955	3.69	588	10	93	+321	-.02	+9	+17
C3-23-65 1014925 5054916 5-73				35,41,42	27		15,747	3.71	585						
1483857 WEARY RIVER BURKE STAR.....		4	6	1-93	17	1.7	17,020	3.49	594	13	37	-449	-.01	-17	-28
07-10-65 1126307 4227701 5-73					148		18,655	3.52	657						
1483861 JA-SAL TOMAHAWK DANDY.....*		2	8	1-48	13	2.0	13,478	3.75	506	0	29	-105	+.04	+2	-2
C7-12-65 1450216 3810985 5-73					15		13,781	3.61	497						
1483908 ROLLING SPRING POSCH GENERAL..*		1	19	1-23	19	1.9	15,739	3.72	586	0	25	+124	+.01	+6	+9
C8-14-65 1215402 5166760 5-73					21		15,339	3.70	567						
1483919 BOBANDA ADMIRAL IVANHOE BEN...*		2	8	1-35	10	1.7	14,387	4.21	606	20	23	-89	+.09	+9	+5
C4-15-65 1428809 5722048 1-73					7		14,830	3.86	573						
1483968 PARKCHESTER ADMIRAL F POSCH...*	23-13	127	2	4-21,22,	195	1.7	14,959	3.68	551	22	91	-347	.00	-13	-21
C5-04-65 1237057 5485586 5-73				23,73	27		15,448	3.70	572						
1483970 GLENSON MDOEST DANDY AL.....*		5	13	1-32	22	2.3	13,818	3.58	495	15	34	+150	.00	+5	+9
C4-20-65 1434454 4793557 5-73					20		13,268	3.60	477						
1483975 RAMBLE-ROCK PETER SEARS ORMSBY*		1	17	1-21	17	2.4	15,414	3.70	571	7	26	+178	-.01	+5	+9
C8-31-64 1085978 3852196 5-73					30		14,760	3.77	557						
1483984 BLUEGILL SOVEREIGN IDEAL TEXAL*		2	11	1-21	17	1.7	15,273	3.59	548	6	30	-450	.00	-16	-27
05-11-65 1210266 5408534 5-73					23		17,058	3.60	614						
1483987 DAVISLAWN DAGAN ROBURKE BEACON	35-75	24	2	10-21,35,	31	1.9	15,651	3.71	581	15	65	-101	+.07	+6	+2
C4-01-65 1223243 4183737 5-73				55,87,93	68		15,978	3.62	578						
1483988 DELI HILDA PEGASUS DUSTY.....*		2	35	1-33	37	1.6	12,888	3.39	437	6	27	-235	-.02	-11	-16
C3-16-65 1217639 5362039 5-73					26		13,703	3.48	477						
1483999 NSH FLORIN LEIGE LAUNT.....		1	17	1-47	17	1.9	10,961	3.57	391	44	24	-329	.00	-12	-20
04-10-65 1415356 5856072 5-73					13		12,126	3.60	436						
1484008 GERART SNOW LAD PILOT.....		1	25	1-42	25	1.9	15,526	3.66	569	4	26	+183	-.01	+5	+10
C7-22-65 1175596 5693759 5-73					6		14,862	3.73	554						
1484077 YEOMAN UNH GRENADIER.....*		3	9	1-12	13	1.9	15,129	3.79	574	33	26	-346	+.04	-7	-16
11-24-64 1416113 5701663 5-73					36		16,676	3.67	612						
1484087 OEER LAKE KING K OANTE.....*		1	20	1-35	20	1.5	12,650	3.59	454	**	24	+123	-.01	+3	+6
C5-10-65 1449583 5296686 5-73					6		11,874	3.66	434						
1484096 STERK ROMED.....		5	13	1-93	47	1.6	18,599	3.56	662	18	50	+188	-.07	-4	+2
C3-13-65 1339836 5394355 5-73					64		18,650	3.70	690						
1484105 COON-RDG COMMANDER PERFECTION.	35-75	33	1	14-23,32,	43	2.2	16,531	3.48	575	12	73	+625	-.10	+7	+25
06-06-65 1307195 5265490 5-73				41,55,93	60		15,816	3.60	570						
1484114 HULONG M J R IVANHOE REF DAVE.		1	20	1-34	20	1.5	15,269	3.62	553	20	23	-23	+.03	+4	+3
05-17-65 1408738 4813677 5-73					15		15,482	3.48	539						
1484115 LUTRES CREATION SKOKIE.....		1	13	1-42	13	1.0	10,651	3.47	370	0	19	-355	+.02	-10	-19
10-06-64 1438691 5554036 1-73					5		12,320	3.37	415						
1484116 SILVERLANE BOLO FLORA.....	35-75	40	1	12-21,41,	46	2.1	16,691	3.68	615	9	75	+590	+.07	+32	+44
C7-14-65 1360259 4713288 5-73				52,55,93	55		16,068	3.60	578						
1484119 MOE SIR NETHERLAND.....*		3	5	2-52,55	11	1.1	14,929	3.86	576	**	27	+303	+.05	+18	+24
04-29-65 1138660 4965264 5-73					23		13,723	3.70	508						
1484121 LITTLE-RIVER-H PRINCE EDWARD..*		3	12	3-11,14,	19	1.6	17,212	3.27	563	21	29	+421	-.13	-4	+9
01-22-65 1282185 5160962 5-73				16	26		15,929	3.67	585						
1484124 MILLAR FARMS STANDARD BEARER..*		2	13	1-35	15	1.2	14,325	3.57	511	13	22	+56	-.01	0	+2
08-03-65 1373055 4311611 5-73					13		14,037	3.64	511						
1484164 WIS CALYPSO CHAMBRIC LAD.....		4	4	2-42,47	10	1.4	13,045	3.75	489	44	29	-184	+.04	-1	-6
07-05-65 1448554 3967042 5-73					14		13,604	3.62	492						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS HM/DAU	REC/DAU HERDMATE	MILK	% FAT	FAT	% IST LACT INC	% REPT	PREDICTED DIFFERENCES MILK	% FAT	FAT $$
1484186 CAL-CLARK REFLECTION SPLENDOR.	93-17	3	23	1-93	55	1.2	17,063	3.42	583	6	41	-91	+.02	0 -3
03-30-65 1432243 4383624 5-73					251		17,613	3.37	594					
1484192 K-K LILAC HILL CAESAR.....*		1	17	1-41	17	2.1	9,873	3.76	371	**	25	-250	+.04	-3 -10
07-22-64 1380945 5386845 5-73					5		10,494	3.56	374					
1484215 HILL DAIRY FRANK.....		1	24	1-52	24	1.4	15,187	3.56	541	11	24	+143	-.02	+2 +6
04-20-65 1308796 4102695 5-73					30		14,604	3.66	534					
1484245 VALLA VISTA THE SOWER.....*		9	3	5-14,47,	15	1.6	15,622	3.56	556	27	42	-222	+.02	-5 -11
08-20-65 1371268 3443348 5-73				48,73,74	27		16,353	3.52	575					
1484270 GREEN BANKS MARQUIS ROMAN.....*		4	4	2-14,21	10	1.3	14,988	3.24	486	17	27	-7	-.06	-9 -8
07-08-65 1459996 5214193 9-72					44		15,087	3.47	523					
1484288 NE-SHO RAVEN IDEAL.....*		3	4	1-43	11	1.9	13,353	3.47	464	25	33	-30	-.01	-2 -3
07-15-64 1113350 5318667 5-73					16		13,342	3.52	469					
1484301 WINTERTHUR OMASTER EDEN UNIQUE*		5	21	1-51	35	2.0	14,495	3.86	560	3	36	+260	-.02	+7 +14
03-25-65 1413133 3942447 5-73					38		13,695	3.96	542					
1484314 LUTRES PABST CREATION.....*		2	19	1-42	21	1.9	13,445	3.75	504	10	27	-191	+.01	-5 -10
05-12-65 1342614 4694810 5-73					39		14,141	3.72	526					
1484320 BEEZLEY FARM DUKE.....*		4	9	2-48,73	21	2.1	16,605	3.37	559	11	38	-146	.00	-5 -9
04-18-65 1283917 5186495 5-73					21		17,276	3.37	582					
1484332 RENSINK RAYVANS SKYLINER ADAM.		2	17	1-42	22	2.0	16,640	3.41	568	14	30	+554	-.06	+11 +26
04-03-65 1440501 5817373 5-73					26		14,823	3.60	534					
1484334 JERGENS DISTINCTION BURKE.....	41-01	28	1	2-41,42	30	1.9	14,756	3.38	499	17	65	+221	-.12	-10 -2
03-07-65 1289574 5900329 5-73					23		14,418	3.58	516					
1484345 OATS FARM SUPREME IVANHOE.....*		6	4	2-88,93	15	1.5	16,537	3.43	568	27	37	+100	.00	+4 +6
05-07-65 1397517 5431497 5-73					39		16,476	3.40	561					
1484357 RUSTIC MAJOR.....		1	11	1-34	11	1.2	13,340	3.62	483	**	19	-153	-.02	-8 -11
03-26-65 1447205 5795123 5-73					22		14,121	3.76	531					
1484358 LAFAR DOUBLE MARKSMAN.....*		3	24	2-31,48	34	1.5	12,851	3.80	488	23	31	-374	+.03	-9 -19
07-12-65 1410984 4464523 5-73					13		14,030	3.72	522					
1484380 SEQUOIA IVAN STAR DUST.....*		10	9	2-91,93	50	2.0	17,542	3.59	629	14	60	-111	-.09	-17 -17
09-26-64 1189870 5372431 5-73					77		18,130	3.73	675					
1484388 SCHUTZHOLM INKA BELLBOY.....*		3	35	1-35	41	1.6	12,278	3.71	455	20	29	-207	.00	-8 -13
03-10-65 1425865 4385744 5-73					19		12,850	3.77	484					
1484395 C-S-P SOUND TWO.....		2	16	1-84	23	2.0	12,711	3.48	442	31	31	-132	-.02	-7 -10
03-13-63 1407665 5247069 5-73					95		13,006	3.55	462					
1484431 OELMORA P P M C LADDIE.....*		5	5	1-34	15	1.5	12,980	3.70	480	27	36	-343	+.03	-8 -17
07-26-65 1419999 5310325 5-73					13		13,897	3.63	504					
1484441 GADBURY ANTHONY ROBARON 8.....*		12	3	3-41,42,	25	1.6	16,173	3.67	594	5	53	+371	-.02	+11 +20
05-04-65 1313355 011356143 5-73				46	18		15,588	3.72	580					
1484451 FARLOWS ORMSBY PAT.....		1	28	1-55	28	1.5	17,450	3.17	553	14	25	+113	-.06	-5 -1
03-28-65 1291498 4105430 5-73					19		17,280	3.37	582					
1484478 SHADYRUN ALLENOR ADMIRAL-TWIN.*		1	21	1-23	21	1.7	13,475	3.80	512	10	25	-88	+.01	-2 -4
07-09-65 1450414 4294889 5-73					12		13,776	3.82	526					
1484493 OAKMULGEE FOXLEASE FLASH.....*		1	11	1-52	11	2.2	15,722	3.70	581	9	23	-300	+.03	-7 -15
03-14-65 1421505 5136959 5-73					29		17,325	3.61	625					
1484508 OUNGA BROOK SIR ERIC.....	35-75	18	2	7-34,35,	23	2.1	16,779	3.46	581	0	58	+579	-.11	+4 +21
05-09-65 1273756 4430072 5-73				41,55,93	121		15,936	3.64	580					
1484511 WEE-WEE LAVACRES SKYLARK.....		2	8	1-35	15	1.4	13,999	3.61	505	8	29	-107	-.01	-5 -7
01-13-65 1291498 5209365 5-73					14		14,371	3.65	525					
1484525 E-Z ACRES SKY OCEAN PRINCE.....*		2	11	1-21	13	1.8	16,152	3.51	567	0	25	-280	.00	-10 -17
08-15-65 1315612 5738278 5-73					22		17,617	3.54	623					
1484527 SONNEN ACRES SKOKIE PETE.....*		1	17	1-23	17	1.9	14,961	3.65	546	0	24	-50	+.01	0 -2
03-08-65 1390542 5141732 5-73					25		15,258	3.63	554					
1484534 KNOX VIEW SCHUGS TRAVELER.....	61-02	39	2	4-31,33,	54	1.8	14,202	3.55	504	14	75	-79	-.04	-8 -9
01-05-65 1223243 5674840 5-73				61,74	18		14,300	3.60	515					
1484565 GREEN-MEADOW REWARD CAVALIER..		2	12	1-35	24	1.3	15,507	3.82	592	9	33	+179	+.01	+8 +12
06-03-65 1303180 5796772 5-73					12		15,035	3.80	572					
1484575 STAFFORDSHIRE EAGLE JASPER.....*		2	11	1-21	13	1.5	19,237	3.68	707	0	24	+648	.00	+23 +38
08-26-65 1427708 5862457 5-73					40		16,710	3.70	619					
1484583 FORT MADISON JOE ELMORA.....		1	17	1-42	17	1.8	15,045	3.58	539	**	24	+231	.00	+8 +14
03-19-65 1441998 4599976 5-73					2		14,029	3.58	502					
1484598 LODESTAR BONANZA STAROUST.....*		5	8	1-22	20	1.9	16,326	3.68	600	0	38	+463	-.03	+12 +24
04-25-65 1404266 4856674 5-73					14		15,180	3.79	575					
1484609 BOOKLANE ROXANNA LAD.....	35-75	33	1	9-34,35,	39	1.9	16,392	3.54	580	12	70	+442	-.03	+11 +22
06-12-65 1298197 4636001 5-73				55,91,93	66		15,914	3.58	569					
1484615 GREAT ELM ERIC DIX.....*		1	11	1-14	11	2.0	18,342	3.52	646	0	22	+411	.00	+15 +25
08-25-65 1273756 4512281 5-73					48		16,722	3.50	585					
1484616 HOMEWORTH OI LUCKY BOY.....*		7	2	3-31,55,	12	1.6	15,399	3.57	549	0	37	+58	-.02	0 +2
08-23-65 1410081 3940278 5-73				61	14		15,307	3.61	553					
1484621 HOOSIER-OELL STYLEMASTER SAM..	35-75	24	2	8-23,35,	34	1.7	15,404	3.56	549	25	65	-231	-.02	-11 -16
07-22-65 1175471 4710188 5-73				55,91,93	59		15,912	3.59	572					
1484632 FILLMORE SENATOR DESIGN.....*		5	3	2-14,21	12	2.3	15,566	3.69	575	10	38	-46	+.05	+6 +4
10-10-64 1252985 5592528 5-73					23		15,836	3.56	563					
1484638 RETLAW VIEWMASTER FARAH.....		1	13	1-41	13	2.6	12,438	3.65	454	0	25	-260	+.04	-4 -11
10-26-64 1415107 5119694 5-73					6		13,387	3.52	471					
1484643 CARAPANTA CHARMER LURCH.....*		3	8	1-93	17	1.7	15,510	3.76	583	0	34	-113	+.03	0 -3
02-02-65 1357743 4344607 5-73					48		16,038	3.70	592					
1484644 CARAPANTA CHARMER MARIO.....*		3	6	1-93	11	2.0	15,557	3.68	572	0	29	+107	-.01	+3 +6
03-14-65 1357743 4333719 5-73					51		15,271	3.71	567					
1484650 VALELAC PIONEER V W LEN.....*		1	24	1-23	24	1.7	13,437	3.59	483	26	25	-67	-.03	-7 -8
05-08-65 1292880 4453146 5-73					42		13,634	3.77	514					
1484671 LOCHLAND OAK BENO SENATOR.....*		6	4	2-41,52	14	1.2	16,001	3.51	561	7	35	-18	-.04	-6 -5
03-20-65 1252985 4049706 5-73					17		16,241	3.61	587					
1484679 MAPLETTA CRISSA GENERAL.....*		7	4	2-32,34	13	1.6	14,685	3.69	542	15	34	-71	+.03	+2 -1
02-02-64 1378594 4253858 5-73					15		14,949	3.60	538					

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HO	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS HM/DAU	REC/DAU HEROMATE	MILK	% MILK	FAT	% FAT	% 1ST INC	REPT	%	PREDICTED DIFFERENCES MILK	%	FAT	$$
1484697 SKOGEN TESSIE PRIDE.....*		5	5	1-35	13	1.4	13,000	3.68	478	**	31	-479	+.01	-16	-28
C8-05-65 1237057 4021614 5-73					15		14,581	3.67	535						
1484709 NEDDAK ADDRO JACKSON.....*	21-10	37	1	8-11,14,	37	1.9	14,323	3.67	526	26	70	-586	+.07	-12	-28
C4-22-65 1171458 3946540 5-73				15,15,21	32		15,249	3.59	548						
1484723 VENIDA SELECT JOE.....		1	37	1-91	37	1.7	14,503	3.67	532	14	26	-106	+.02	-1	-4
11-12-64 1380550 3549987 5-73					89		14,975	3.63	543						
1484724 VENIDA DANDY SUPER.....		1	40	1-91	40	1.4	15,179	3.70	561	3	25	+74	+.02	+5	+6
C3-22-65 1237472 4920047 5-73					84		14,935	3.63	542						
1484736 CLOVERTOP LAD NOBLE.....	61-02	15	1	2-33,34	16	1.6	12,432	3.56	442	20	48	-676	-.01	-26	-42
05-07-65 1122127 4011323 5-73					14		13,782	3.59	495						
1484741 REYNOLAND FOBES DAGAN PERRY...	61-02	21	2	4-31,32,	27	2.0	16,313	3.53	576	23	61	+438	-.09	+2	+15
C3-01-65 1223243 4034865 5-73				61,84	24		15,734	3.67	578						
1484742 HINZEVILLE DON BELLE BOY.....*		2	7	1-35	11	2.7	18,125	3.44	624	0	30	+553	-.07	+9	+24
C3-18-65 1259069 4712515 5-73					11		16,511	3.65	603						
1484752 PABST JAFS LEADER ADMIRATION..*		1	16	1-23	16	1.1	13,530	3.78	510	**	20	-256	+.02	-6	-13
C4-05-65 1358647 4469794 5-73					25		14,809	3.71	549						
1484762 EVER-LEA FOND HOPE PRINCE.....*		1	14	1-22	14	2.0	13,852	3.92	543	21	23	-50	+.01	-1	-2
C4-09-65 1243697 4322440 5-73					32		14,033	3.95	554						
1484766 OEL-THEL SKYLINER MARIE HOMER.		2	6	1-48	10	2.0	12,622	3.63	458	11	27	-262	+.01	-8	-14
C3-02-65 1244845 5096639 5-73					18		13,495	3.62	489						
1484810 MYR-LEA BARON MARQUIS.....*		4	13	3-23,47,	18	2.0	13,934	3.50	488	17	30	-262	+.03	-5	-12
C8-24-65 1459996 5460279 5-73				54	18		14,858	3.41	507						
1484825 E M C DUSTY ROYAL-TWIN.....*		8	16	1-93	37	1.7	18,220	3.38	616	19	41	+538	-.06	+10	+25
11-30-64 1386287 4899343 5-73					31		17,199	3.49	600						
1484834 SIDILLA CHAMPION.....*		6	14	2-21,23	26	1.9	16,118	3.63	585	15	35	+130	.00	+4	+7
C1-07-65 1443217 5526326 5-73					16		15,901	3.65	581						
1484835 LOUDEN HILL SOVEREIGN.....*		11	25	5-21,23,	56	1.6	13,433	3.60	483	23	42	-127	-.02	-8	-10
12-02-64 1251678 4860645 5-73				32,50,54	64		13,663	3.67	502						
1484846 BREEZAC PIONEER.....		6	3	1-21	12	1.8	15,873	3.47	550	22	38	-180	-.02	-9	-13
C3-24-65 1232880 3165693 5-73					28		16,568	3.52	583						
1484849 WALKWAY PONTIAC JOE.....*		2	15	1-33	17	1.7	14,213	3.64	518	7	25	+186	+.01	+8	+12
C1-07-65 1458811 5406901 5-73					8		13,353	3.62	483						
1484864 WHITTIER-FARMS STYLISH-TWIN...		1	13	1-14	13	1.6	20,113	3.99	803	54	22	+528	+.07	+29	+40
C1-13-65 1356152 4792501 5-73					26		18,020	3.81	686						
1484884 ROAD SIDE PAT REBURKE.....		1	11	1-42	11	1.1	14,374	3.82	549	60	19	+86	+.02	+6	+8
C2-24-65 1291498 4903016 1-73					16		13,856	3.73	517						
1484891 BEAVER-CREEK PERFECT DENNIS...*	21-10	51	1	7-11,12,	51	2.1	15,866	3.60	571	13	77	+104	.00	+4	+6
C5-12-65 1307195 4622428 5-73				13,16,21	32		15,880	3.60	571						
1484904 LILY POND RAINBOW SUNSHINE....*	61-02	45	4	2-34,52	73	1.6	14,922	3.44	513	17	74	+789	-.12	+10	+32
08-17-65 1436271 4665831 5-73					33		13,830	3.61	498						
1484928 LAR-LINDA REFLECTION ROAMER...*		10	3	5-81,82,	19	1.4	15,216	3.44	524	31	44	+228	-.07	-2	+5
C4-13-65 1435205 5357925 5-73				87,91,93	21		14,736	3.60	531						
1484974 RIVER VALLEY CLASSIC FAMOUS...*		1	14	1-21	14	1.7	14,870	3.77	561	38	22	-126	+.06	+4	-1
C7-26-64 1418796 4823855 5-73					27		15,558	3.50	545						
1484976 HER ENDEAVOR ROYAL ZELDEN.....*		2	12	1-51	14	2.3	16,243	3.44	559	29	26	-24	-.07	-11	-16
C4-12-65 1397752 4718791 5-73					59		16,558	3.71	614						
1484981 CARNATION RAG APPLE MAPLE-TWIN*		29	29	16-23,34,	104	1.7	14,374	3.66	526	12	55	-159	+.03	-2	-6
C9-05-65 010218036 4954403 5-73				35,48,51	262		14,695	3.63	533						
1485006 HARSON NORSON KING ARISTOCRAT.		1	10	1-35	10	1.3	9,838	3.87	381	14	19	-484	+.02	-14	-26
05-24-64 1257468 5115427 1-73					9		12,153	3.72	452						
1485010 YODER DALE DICTATOR FOBES.....*		3	6	2-32,34	11	2.0	16,238	3.78	613	18	29	+74	+.04	+8	+9
C2-20-65 1393721 4854390 5-73					20		16,154	3.67	593						
1485049 AIRYHURST SKIP HOLWYN.....*		1	12	1-23	12	1.1	14,603	3.68	538	0	19	+119	-.02	+1	+4
C8-24-65 1300014 4510671 1-73					35		13,933	3.84	535						
1485066 ORMSBY REFLECTION MARQUIS.....*		6	3	1-34	12	1.5	14,336	3.42	490	0	35	+36	-.04	-4	-2
07-10-65 1459996 4893329 5-73					10		14,216	3.53	502						
1485080 UNH IVAN LIBERATOR.....		2	13	2-11,12	17	1.7	12,838	3.59	461	50	27	-229	-.03	-13	-18
11-14-64 1428531 4095809 5-73					8		13,624	3.77	514						
1485111 SANDY-ROSA ROYAL IDEAL.....*		1	16	1-52	16	1.6	10,564	3.28	346	0	23	-439	-.01	-17	-27
C7-30-65 1397752 5072195 5-73					18		12,302	3.39	417						
1485129 SKYWAY INTENSE.....*		7	2	4-35,42,	11	1.4	12,439	3.44	428	18	34	-755	.00	-27	-45
04-25-65 1431989 5107515 1-73				46,84	22		14,672	3.48	510						
1485132 POESTENKILL MODEL BEETS.....*		4	12	4-13,21,	19	1.8	14,675	3.52	517	28	31	-72	-.04	-8	-9
C9-11-64 1157416 4914780 5-73				23,48	21		14,970	3.67	550						
1485134 LONDON OAKFLD CLOTHILDE JEFF..*		5	13	1-31	24	1.9	16,115	3.54	571	13	36	-200	-.03	-12	-16
09-01-65 1216992 4810152 5-73					73		16,924	3.65	618						
1485140 COMMADORE OF LAKEHURST.....*	61-02	63	3	10-31,33,	112	1.8	13,825	3.55	491	15	85	-818	-.04	-35	-53
05-21-65 010264804 6241130 5-73				35,61,74	29		14,837	3.61	535						
1485164 AUGLAIZE ADMIRAL DAN.....*		1	19	1-31	19	2.0	13,732	3.74	513	17	25	-91	-.03	-8	-9
03-29-65 1237057 5147524 5-73					8		14,066	3.92	551						
1485170 BRISTOL BARON ROCK.....*		13	2	4-33,73,	21	1.3	13,525	3.63	491	26	49	-619	+.05	-16	-32
04-29-65 1434687 4610498 1-73				74,84	24		14,844	3.54	526						
1485172 JUNIE-MARIE ROYAL BUD.....*		6	9	3-23,51,	17	1.5	15,266	3.44	525	13	32	-77	-.06	-12	-12
11-05-63 1380945 5397076 5-73				54	14		15,635	3.66	572						
1485173 CREST-MOUNT COCHRAN DIRECT DON*		1	12	1-23	12	2.3	12,378	3.99	494	0	24	-636	+.06	-15	-32
C2-21-65 1271019 5357326 5-73					13		15,153	3.73	565						
1485181 HEATHERSTONE LIMELIGHTER.....*		1	19	1-35	19	2.1	14,301	3.61	516	11	26	-108	.00	-4	-7
C4-16-65 1331314 5893832 5-73					19		14,765	3.64	537						
1485212 KLIMWOOD MT BERT.....*		1	29	1-43	29	1.8	14,911	3.49	520	5	26	-71	.00	-2	-4
03-16-65 1402662 5274985 5-73					23		15,277	3.48	532						
1485223 WALNUTBELL CRUSADER PRINCE....*		3	13	3-35,42,	21	2.3	15,028	3.79	570	5	34	-71	+.05	+4	+1
C7-30-65 1326679 3864069 5-73				91	17		15,331	3.68	564						
1485231 SKYWAY ECHO JEWEL.....*		8	7	2-13,22	30	1.2	14,710	3.30	485	8	46	-532	-.10	-33	-43
C8-11-65 1431989 5290173 5-73					50		16,041	3.51	563						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS HM/DAU	REC/DAU HERDMATE	MILK	% FAT	FAT	% 1ST INC	% REPT	PREDICTED DIFFERENCES MILK	%	FAT	$$
1485232 SKYWAY ECHO TIOY.....*		8	2	4-13,41,	12	1.3	16,240	3.40	552	11	36	+758	-.06	+18	+38
08-24-65 1431989 5732525 5-73				42,47	26		14,094	3.55	501						
1485265 DEER RIDGE STAR DUNLDGGIN.....*		2	8	1-21	10	1.4	15,426	3.52	543	40	22	-87	-.03	-8	-9
06-17-65 1410984 5210868 5-73					22		15,994	3.70	591						
1485272 POESTENKILL MODEL SENATOR.....*		3	7	3-21,51,	19	1.7	17,592	3.56	626	7	38	+526	+.03	+24	+36
10-28-64 1148993 4641815 5-73				58	85		16,426	3.46	568						
1485277 MELLERAY CRISSCROSS.....		1	31	1-42	31	1.5	13,678	3.44	470	26	25	-360	+.01	-11	-20
09-24-65 1454073 5481427 5-73					6		15,202	3.40	517						
1485283 NORWESCOR ORMSBUO KING BARNEY.		1	16	1-31	16	1.7	14,592	3.59	524	27	23	-203	-.01	-9	-14
04-03-65 1284716 5373982 5-73					15		15,592	3.67	572						
1485313 LEADER PABST JEOPAROY.....		1	16	1-42	16	1.9	11,464	4.06	465	27	24	-478	+.08	-6	-19
09-12-65 1242338 5963385 5-73					13		13,354	3.67	490						
1485345 COLSTAH KING LAD POSCH.....*		5	28	1-84	42	1.6	13,858	3.49	484	24	33	+69	-.01	+1	+3
02-09-65 1402593 4086814 5-73					86		13,566	3.52	478						
1485350 ORIGGSWAY CHESNEE PABST.....		1	16	1-34	16	1.4	14,371	3.21	462	13	22	+224	-.03	+4	+10
03-04-65 842876 5390518 5-73					30		13,232	3.27	433						
1485359 BRANDS SKYLINER FOBES.....*		2	10	1-21	12	1.3	11,457	3.59	411	18	22	-313	+.01	-10	-18
05-27-65 1458134 5110966 5-73					16		12,737	3.56	454						
1485361 SCHURZ CREAMELLE SPARKLER.....*		4	8	2-35,65	21	1.4	13,210	3.60	475	14	36	-286	-.05	-18	-23
10-07-65 1382608 5643709 1-73					9		13,961	3.80	530						
1485370 BURLEY ANN FOND HOPE.....*		1	14	1-72	14	1.4	13,440	3.11	418	7	21	-251	-.01	-11	-17
07-04-65 1243697 5085284 5-73					29		14,662	3.22	472						
1485374 HALOLA SIGNAL STAR MAN.....		5	24	1-74	36	1.7	14,517	3.48	505	15	33	-458	+.03	-12	-24
02-07-65 1459918 5372655 5-73					24		16,057	3.40	546						
1485377 LILY POND SOVEREIGN MASTER....*		4	5	1-41	13	1.8	16,144	3.36	543	0	34	+422	-.12	-3	+10
10-10-65 01D2831D3 5476503 5-73					11		14,943	3.73	558						
1485378 WILLOMONTE COUNT DEE-EIGHT....	91-13	30	11	4-82,91,	71	1.7	16,953	3.62	613	7	64	+647	+.02	+26	+41
05-09-65 1298309 4218185 5-73				92,93	56		16,106	3.59	578						
1485381 LEIFELDS DYNAMITE PRIDE.....*		2	18	1-41	26	2.0	16,461	3.41	561	4	33	+263	-.06	+1	+9
01-10-65 1237057 5194744 5-73					17		15,795	3.55	561						
1485390 DELLFIELD TREASURE ACE.....*		2	11	2-23,93	13	1.9	18,620	3.71	691	0	25	+234	+.04	+15	+19
07-01-65 1357308 5439737 5-73					79		18,039	3.56	642						
1485395 BELBROOK FOND VAR.....*		2	12	1-32	14	1.4	15,027	3.69	554	23	23	-14	+.02	+3	+2
06-11-65 1243697 4757252 5-73					17		15,172	3.57	541						
1485403 ROMEY INKA MAINMAST.....		3	7	1-35	15	1.9	13,954	3.39	473	20	34	-279	-.07	-20	-25
01-07-65 1362405 5633225 5-73					16		14,809	3.62	536						
1485404 ROMEY JOHANNA MAINMAST.....		3	9	1-35	18	2.3	14,703	3.52	518	20	35	-26	-.04	-6	-6
01-11-65 1362405 4884873 5-73					16		14,822	3.64	540						
1485408 GRAY VIEW CALINA.....*	33-03	229	3	32-21,23,	357	1.5	14,509	3.53	512	15	94	-378	-.09	-26	-33
12-28-64 1396617 3474318 5-73				32,33,35	22		14,970	3.63	543						
1485409 GRAY VIEW SKY CRINGLE.....		3	23	1-73	27	1.8	16,787	3.71	623	22	28	-30	+.06	+8	+6
01-12-65 1244845 5306945 5-73					28		17,177	3.50	601						
1485410 OIX HILL DAGAN BELL.....*	55-01	6	6	1-55	29	2.0	18,263	3.59	655	17	52	+643	-.05	+15	+32
04-10-65 1223243 3924363 1-73					46		17,329	3.69	639						
1485414 ROYALANE REFLECTION SHAMROCK..		2	12	1-87	18	1.6	16,939	3.41	578	0	29	+413	-.04	+9	+20
08-05-65 1459996 5354838 5-73					23		15,652	3.51	549						
1485435 FULTON FARMS SOVEREIGN KNIGHT.		7	18	2-52,55	44	1.1	12,359	3.36	415	24	39	-359	-.05	-20	-27
07-09-65 1314270 5194384 5-73					10		13,151	3.52	463						
1485461 ELLINGSWORTH ROBURKE DEAN.....	35-75	22	2	10-23,32,	28	1.7	15,682	3.59	563	13	61	-252	+.01	-8	-14
10-18-65 1055220 4179521 5-73				35,55,93	91		16,284	3.59	585						
1485465 BIG ROCK MAPLE CHRIS.....*		7	15	1-21	25	2.2	14,064	4.13	581	9	36	-143	+.08	+6	+1
04-07-65 1378594 4780073 5-73					20		14,478	3.92	568						
1485490 STONE HOME BEN REFLECTION.....*		3	9	1-21	14	1.9	13,561	3.46	469	17	29	+99	.00	+3	+5
10-30-64 1312619 5144426 5-73					19		13,083	3.46	453						
1485509 T-LEE ECHO BOY.....*		1	10	1-31	10	2.0	13,143	3.80	500	10	22	-94	+.01	-2	-4
04-30-65 1258294 5494353 5-73					20		13,493	3.79	511						
1485548 DE-WA-SEE ROMEO ADMIRAL.....*		1	10	1-32	10	2.3	12,122	3.63	440	0	23	-155	+.02	-3	-7
07-07-65 1237057 4154664 5-73					24		12,632	3.58	452						
1485550 BRAD LEA CITATION MONARCH.....*	31-07	218	3	12-31,33,	400	2.1	15,595	3.51	547	10	95	+836	-.17	+5	+29
10-11-60 1492073 011179608 5-73				34,35,52	19		14,752	3.69	544						
1485574 WES-BELL SKOKIE NOEL PRINCE...*		6	8	3-22,35,	18	1.8	16,689	3.79	633	0	35	+302	-.02	+8	+16
10-15-65 1315498 4789741 5-73				41	18		15,988	3.88	621						
1485595 HOOGBOOM PONTIAC BRENT.....*		3	8	2-51,52	16	1.5	13,321	3.33	444	20	31	-548	-.03	-24	-36
08-23-65 1397752 5653508 5-73					31		15,183	3.47	527						
1485599 KNOLLSIDE AB SUPREME.....*	35-05	26	2	3-35,41,	33	1.3	13,881	3.67	510	28	63	-550	-.02	-23	-36
09-29-65 1427784 3780461 5-73				42	17		14,798	3.73	552						
1485611 SOUTHWIND JULE STRANGER.....*		2	14	1-74	16	2.2	14,078	3.28	462	0	27	-243	+.03	-4	-11
06-02-64 1221226 3604593 5-73					39		15,061	3.16	476						
1485636 SUSQUESEGO PONTIAC CHIEF.....*		8	2	1-21	10	1.6	14,653	3.45	506	10	35	-511	-.03	-22	-34
11-29-64 1397752 4336845 1-73					31		16,317	3.54	578						
1485647 THONYMA SENATOR DOUBLE.....*		10	4	4-41,42,	20	1.7	16,044	3.28	527	10	46	+414	-.09	+2	+14
08-31-65 1252985 5522053 5-73				46,74	23		15,233	3.44	524						
1485648 TUM-A-LUM POND HERB.....*		8	7	2-14,16	19	2.8	16,814	3.66	616	0	43	+383	+.02	+17	+26
07-14-64 1243697 4895217 5-73					23		16,091	3.63	584						
1485692 COOMER WINTER ROYAL JOLLY JACK*		4	13	1-34	21	2.0	15,376	3.79	583	0	33	-72	+.05	+4	+1
10-30-64 1397752 5203641 5-73					24		15,734	3.66	576						
1485696 RICHMAN DREAMER.....*		6	4	1-32	14	1.6	13,245	3.64	482	21	35	-540	+.05	-13	-27
07-03-65 1492073 5199477 5-73					29		14,816	3.53	523						
1485700 CINSY VENJS MARQUIS KING-TWIN.*		2	13	1-21	15	1.0	16,319	3.25	531	**	21	-189	-.02	-9	-13
09-15-65 1459996 4804463 5-73					30		17,530	3.33	584						
1485726 GRAND HOPE KINGPIN SKYLINER...*		4	11	1-23	16	1.4	12,425	3.86	479	14	27	-242	+.01	-8	-14
05-04-65 1342940 5281472 1-73					16		13,206	3.86	510						
1485780 LIL-CHAR LINDA LADDIE PAT.....*		1	24	1-32	24	2.1	16,311	3.91	637	4	26	+167	+.03	+10	+13
11-10-64 1291498 4239920 5-73					16		15,818	3.83	606						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS HM/DAU	REC/DAU HERDMATE	MILK	%	FAT	%	1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1485785 LONGMOOR PIETJE BOOSTER.....		2	6	1-52	11	1.1	14,925	3.54	528		13	25	+289	-.01	+9	+16
06-13-65 1259609 5059208 9-72					25		13,721	3.58	491							
1485787 BARLINA ROYAL PONTIAC.....*		3	8	2-88,93	11	1.4	17,067	3.37	575		0	24	+102	-.07	-7	-3
07-28-65 1397752 4520210 5-73					45		16,890	3.66	618							
1485788 CARLIN IVANHOE CHIEF.....*		4	13	1-48	29	1.3	16,509	3.76	621		0	37	+214	+.05	+15	+19
09-14-65 1423926 5441045 5-73					15		16,098	3.65	588							
1485789 CARLIN PRINCE CHARMING.....*		8	3	1-48	15	2.1	15,723	3.63	571		13	43	+257	-.04	+4	+11
07-30-65 1357743 5860118 5-73					17		15,205	3.72	566							
1485795 COLLINS-CREST NORSTAR LAD.....*		7	5	1-21	18	1.7	14,431	3.69	532	**	42	+185	-.03	+3	+8	
03-17-64 1424887 5353778 5-73					24		13,941	3.77	525							
1485796 COLLINS-CREST FOBES GYPSY.....*		3	7	1-21	17	1.4	13,261	3.54	469		8	34	-254	-.08	-21	-25
07-30-65 1339471 5594458 5-73					19		13,970	3.82	534							
1485827 HI HOPE RANCH JACOBUS.....		3	8	1-93	17	1.2	18,750	3.59	673		20	32	+88	+.01	+4	+6
09-08-65 1413178 5608583 5-73					91		18,925	3.57	675							
1485894 MALLARY ELECT.....*		15	4	4-12,13,	29	1.4	14,616	3.48	509		11	53	-292	-.07	-21	-26
03-24-65 1443266 4402326 5-73				16,21	19		15,256	3.63	554							
1485910 DIAS JERRY EL REY RAG APPLE...*		3	12	2-35,93	17	1.2	16,624	3.54	588		8	26	-77	+.03	+2	-1
10-01-64 1322369 4931953 5-73					54		17,202	3.42	589							
1485927 JOLIAM ALMA WICKFIELD.....		2	13	1-35	17	1.7	14,377	3.60	517		20	27	-72	-.02	-5	-6
05-06-65 1345081 5681773 5-73					15		14,679	3.69	542							
1485940 ANDELOT SIR COPELAND GRANDE...		1	24	1-51	24	1.2	10,665	3.65	389		19	23	-320	+.02	-9	-17
06-03-65 1273756 5489471 5-73					6		11,830	3.59	425							
1485955 ATHLONE BRIGADIER.....	33-03	147	2	24-21,23,	201	1.1	14,243	3.65	520		12	90	-261	.00	-9	-15
10-04-65 1459996 4751267 1-73				35,51,93	26		14,548	3.66	532							
1486022 ROYAL-CORONA MAGIC SKYLARK....	93-03	3	7	1-93	10	1.7	17,327	3.31	574		10	25	+34	-.09	-12	-9
08-12-65 1253351 4469946 1-73					194		17,503	3.64	637							
1486025 TIERNEY C LINE.....		2	9	1-52	11	1.6	13,717	3.43	470		14	23	+136	-.04	-1	+3
03-26-65 1419662 5302730 5-73					28		12,979	3.66	475							
1486033 FRANSIN ACRES PERFECTION EARL.	35-75	28	2	13-21,35,	35	2.0	16,461	3.49	574		15	68	+406	-.05	+7	+18
10-16-65 1307195 4800951 5-73				55,82,93	56		16,027	3.55	569							
1486044 BON-DO-LAR ANN SUNSHINE.....		2	12	1-84	14	1.5	19,710	3.43	676		8	24	+542	-.06	+11	+25
08-01-65 1406271 4367311 5-73					40		17,747	3.61	641							
1486092 FERNDALE GLAMOUR BOY.....*		19	2	2-23,55	27	1.6	13,714	3.62	496		19	59	-475	-.07	-27	-37
09-03-65 1459996 4151232 5-73					20		14,537	3.76	547							
1486097 DEW VALE FAMOUS LEADER DUKE...*		1	10	1-82	10	2.8	13,902	3.56	495		0	24	-15	.00	0	0
04-09-64 1330987 5249567 1-73					18		13,921	3.56	495							
1486101 AMHERST KNIGHT REGENCY-TWIN...*		6	15	3-23,52,	32	1.5	14,280	3.49	499		9	38	-304	-.02	-14	-21
02-13-65 1242221 4849089 5-73				54	20		15,156	3.57	541							
1486130 TRJTLANE COMET CONQUEROR.....		1	11	1-23	11	1.6	15,003	4.00	600	**	21	-282	+.03	-6	-13	
10-09-65 1296729 5940148 1-73					33		16,585	3.91	649							
1486146 LA-BAR SUNSHINE MIRACLE.....*		4	7	1-48	13	1.8	17,137	3.68	631		23	31	+479	-.02	+14	+26
03-02-65 1406271 5205514 5-73					22		15,704	3.78	593							
1486153 GEORDAVE SEARS JOCKO AL.....		1	11	1-21	11	2.2	19,347	3.38	653		0	23	+397	-.07	+4	+15
05-15-65 1385978 4706828 5-73					18		17,936	3.62	650							
1486175 JENIDA PRINCE HOMESTEAD.....*		3	7	2-87,93	12	1.3	16,279	3.26	531		10	26	+345	-.04	+6	+15
06-23-65 1259069 4948419 5-73					31		14,984	3.38	507							
1486178 LEO-BUR ELATION FARMER.....*		1	13	1-34	13	1.4	15,877	3.60	571		14	21	+349	-.01	+11	+20
07-18-65 1318980 4095487 5-73					41		14,189	3.64	516							
1486190 JERGENS POND COMET.....		6	22	1-41	33	1.9	14,764	3.64	538		6	33	+165	-.03	+1	+6
02-08-65 1243697 5582624 5-73					8		14,257	3.77	538							
1486219 MEADOW HOLLOW ROYAL LAD.....	35-75	30	1	13-21,35,	32	2.0	16,057	3.54	568		24	67	+235	-.03	+4	+10
08-14-65 1192713 5129713 5-73				41,91,93	46		15,852	3.58	567							
1486221 JON-ALM A SEARS ORLO.....*		2	9	1-21	11	1.8	13,932	3.31	461		0	24	+113	-.03	-1	+3
07-01-65 1348259 4909876 5-73					37		13,353	3.47	463							
1486224 MARCREST EMINENT.....		4	23	1-93	32	1.4	16,479	3.63	599		27	30	-539	+.05	-12	-26
07-28-65 1410237 5231821 5-73					25		18,732	3.50	655							
1486226 LEONGARD IDEAL CENTURION.....	87-01	33	3	5-41,81,	64	1.4	13,196	3.48	459		14	74	-889	-.01	-33	-54
06-25-65 D10239301 3602169 5-73				82,83,87	23		14,394	3.49	503							
1486231 OA-CO-TON SUNSHINE MAKER.....*		1	13	1-46	13	1.5	16,530	3.71	614		15	22	+347	+.01	+14	+22
05-31-65 1406271 4828905 5-73					10		14,974	3.69	553							
1486259 LILY POND SOVEREIGN SUPREME...		1	12	1-34	12	1.8	16,968	3.74	634		20	22	+451	.00	+16	+27
10-23-65 D10233103 4970894 5-73					18		14,978	3.79	567							
1486263 GLENCROFT JULIE HI-FLYER.....		1	15	1-14	15	1.7	11,654	3.70	431		0	23	-374	+.02	-11	-20
09-25-64 1423201 5630675 5-73					5		13,153	3.64	479							
1486273 WILEEDA HOPE KIM.....*		7	5	1-21	16	1.8	15,830	3.42	541		20	38	-217	+.02	-5	-11
09-12-65 1243697 5169515 5-73					26		16,620	3.37	560							
1486286 RONKDALE ADMIR ENSIGN.....*		2	15	1-35	21	1.8	16,098	3.44	553		**	31	+317	-.04	+5	+14
06-07-64 1415203 4392462 1-73					26		15,137	3.56	539							
1486312 NUNESDALE REFLECTION KING.....*		5	5	1-93	16	1.0	16,095	3.80	611		0	33	+82	+.03	+8	+9
07-22-65 1459996 5765908 5-73					26		16,011	3.72	595							
1486325 WALKWAY NATHAN CROSS.....*		1	25	1-33	25	1.7	13,563	4.17	565		13	25	-532	+.10	-6	-21
01-13-65 1378594 4710543 5-73					29		15,830	3.80	601							
1486332 ARTEVEL BURKE LEADER.....		4	3	1-93	10	1.5	17,835	3.94	702		44	30	+106	+.10	+19	+19
05-12-65 1259069 4418831 5-73					52		17,823	3.65	650							
1486334 GREEN VALE REFLECT PRINCE-TWIN*		1	14	1-34	14	1.8	16,455	3.70	609		**	23	-261	+.02	-7	-14
08-10-65 1312348 5713850 5-73					42		17,937	3.66	657							
1486353 KNOLLTOP MARQUIS LAD.....		1	17	1-34	17	1.1	14,194	3.71	526		27	21	-178	-.03	-11	-14
08-07-65 1459996 5365423 5-73					11		15,129	3.91	592							
1486357 OAYLAND LUCROSS.....*		2	18	1-87	20	2.2	15,005	3.51	526		16	27	-82	+.02	0	-2
05-21-65 1423201 4827999 5-73					31		15,409	3.41	526							
1486380 TOP-DECK BENEFACTOR JO.....		1	15	1-42	15	2.0	12,675	3.59	455		0	24	+246	+.01	+10	+16
10-26-64 1457016 4742338 1-73					9		11,348	3.55	403							
1486390 OELLAND SKYCROSS PABST.....		1	11	1-35	11	1.9	12,945	3.71	480		27	22	-452	+.03	-12	-24
11-01-65 1441148 4594831 5-73					10		15,074	3.58	540							

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HD	STATES AND WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS HM/DAU	REC/DAU HEROMATE	MILK	%	FAT	% 1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1486402 GAYMERE KBDP POSCH.....	35-75	43	1	12-21,41,	52	1.8	16,118	3.56	574	20	75	+240	-.05	+2	+9
09-05-65 842876 4917986 5-73				52,55,93	44		15,956	3.62	577						
1486419 ABBEYDALE CAPTAIN CONCENTRATE.*		6	13	3-33,43,	25	1.4	16,790	3.45	579	13	34	+468	-.05	+10	+22
08-21-65 1098656 5107118 5-73				48	58		15,504	3.56	552						
1486465 MIL-BER INSIGNIA SHORT.....	35-75	27	1	11-21,35,	31	1.7	16,098	3.50	564	15	64	+35	-.01	0	+1
10-28-65 1179372 4441751 5-73				41,55,93	47		16,227	3.51	570						
1486496 RICH-B DESTINATION.....*		24	8	3-21,31,	73	1.4	14,458	3.63	525	13	66	-11	-.01	-2	-2
07-18-65 1357743 5121208 5-73				43	24		14,485	3.66	530						
1486512 OELATI DUKE MARK TREASURE IMP.*		1	13	1-21	13	1.5	14,372	3.51	505	8	22	-147	.00	-6	-9
09-08-65 1222994 3775191 1-73					7		15,130	3.58	541						
1486573 DELI DEAN RULER.....		1	39	1-33	39	1.1	13,046	3.56	464	0	23	+19	.00	0	+1
06-04-65 1433103 3133804 5-73					14		12,835	3.62	464						
1486588 STODKEYHOLM CALIBAN SPARKIE...*		8	2	3-32,33,	12	2.1	14,093	3.29	464	0	40	-470	-.13	-35	-43
01-20-65 1246183 4002671 5-73				85	66		15,374	3.62	557						
1486602 ADEQUATE ADBE STARMAN.....*		3	7	1-23	10	1.8	13,035	4.06	529	0	25	-363	+.07	-3	-13
09-26-65 1410984 4582677 1-73					16		14,478	3.78	547						
1486612 WHITE HEIGHTS LEADER JOHN.....		1	10	1-32	10	2.0	13,268	3.63	482	14	22	+22	-.01	0	+1
07-29-65 1259069 6015117 1-73					21		13,031	3.69	481						
1486640 LAZY-D WIS STYLEMAKER.....	35-75	32	2	12-21,41,	43	1.9	17,472	3.56	622	17	72	+1,036	-.02	+34	+59
09-10-65 1179372 5165759 5-73				55,91,93	74		16,205	3.58	580						
1486642 TOP-D-THE-HILL FOND LADDIE....*		4	19	1-34	25	1.3	14,253	3.63	518	26	27	-321	-.02	-14	-21
05-05-65 1243697 4524120 5-73					11		15,567	3.71	578						
1486669 GRASSY MEADOWS CRESCENT PRINCE		4	19	2-23,55	31	1.5	15,565	3.52	548	10	33	+81	-.02	0	+2
11-14-65 1227779 4464220 5-73					15		15,421	3.61	556						
1486715 MILK & HONEY IVAPOLHOE HOPE...*		4	27	1-52	42	1.2	13,090	3.97	520	26	32	-197	+.07	+3	-4
08-08-65 1243697 5597409 5-73					39		13,638	3.75	511						
1486740 CHAMBRIC TROUBADOUR.....	91-13	46	5	5-81,82,	89	1.6	15,653	3.55	555	12	77	+225	-.09	-5	+3
08-24-65 010252803 4671630 5-73				91,92,93	46		15,467	3.67	567						
1486741 CHAMBRIC ROCKET.....*	33-03	23	3	12-14,23,	41	1.5	14,680	3.88	570	14	64	-675	+.12	-8	-27
10-19-65 010252803 4388820 5-73				33,48,93	28		15,886	3.73	592						
1486746 TELVIEW ZOLA ROYAL ZEKE.....*		2	27	1-23	29	1.6	14,293	3.48	497	**	27	-367	-.03	-17	-25
09-16-65 1437303 5723822 5-73					27		15,825	3.60	569						
1486748 MIDLAND REFLECTION COMMANDER..		1	12	1-93	12	1.4	14,400	3.81	548	**	21	-147	+.04	0	-4
10-15-65 1426478 4067855 5-73					19		15,199	3.64	554						
1486775 STEVENSDELL BARNIE RUPERT.....*		3	6	1-23	14	1.7	15,252	3.59	548	**	33	+542	-.01	+18	+31
08-18-65 1429262 5363977 5-73					9		13,511	3.63	490						
1486797 WILLARDS SOVEREIGN BURKE.....*		9	4	5-35,42,	19	1.9	16,342	3.43	561	0	46	+456	-.02	+13	+24
06-03-65 1366229 5183220 5-73				63,65,72	17		15,466	3.45	534						
1486801 WILLARDS PERFECTION COMET.....		3	14	1-73	18	1.5	14,645	3.65	535	8	26	-22	+.04	+5	+3
07-26-65 1437507 5598464 5-73					23		14,772	3.49	516						
1486810 COOPER HILL WAYNE MARQUIS.....*		6	13	4-13,14,	24	1.9	15,815	3.76	594	13	36	+24	.00	+1	+2
09-09-65 1459996 4286238 5-73				16,21	56		15,900	3.77	600						
1486826 KOZY-MEDO BURKE LEADER.....*		6	3	1-32	10	2.0	12,218	3.54	432	30	33	-698	-.04	-30	-46
08-13-65 1283917 5479708 1-73					12		14,322	3.69	528						
1486844 ALTURA SILVER MAJORITY.....*		1	27	1-41	27	1.6	9,343	3.60	336	13	25	-638	.00	-23	-38
07-24-65 1383004 5121383 5-73					15		11,647	3.65	425						
1486856 JAMESTOWN CHAL PIEBE OUNLOGGIN*		3	11	2-45,46	15	1.9	14,617	3.76	550	7	27	-294	.00	-10	-17
05-27-65 1291499 4605305 5-73					27		15,838	3.79	600						
1486896 LIME HOLLOW GOVERNOR IVAN.....*		4	8	2-13,21	13	1.9	16,345	3.54	579	0	29	+351	-.03	+8	+17
04-10-65 1448037 5624401 5-73					25		15,206	3.64	554						
1486914 TYPLUS ANDY MARQUIS X.....*		4	6	2-35,42	13	2.1	14,891	3.34	497	0	34	-86	-.05	-10	-11
06-19-65 1459996 5733450 5-73					10		15,235	3.48	530						
1486926 DINGLEY DELL LUCROSS BEAUTY...		1	19	1-41	19	1.8	13,654	3.62	494	0	24	-113	+.02	-1	-4
08-25-65 1423201 4761072 5-73					9		14,091	3.54	499						
1486928 RI-VAL-RE OUT CROSS CRUSADER..*		2	21	2-34,35	23	1.4	14,636	3.87	567	35	24	-150	+.05	+1	-4
04-11-65 1451762 4807765 5-73					22		15,350	3.69	567						
1486934 TWIN TERRACE TRIUNE LEADER....*		2	7	2-41,47	12	1.7	13,907	3.95	550	**	28	-82	+.07	+7	+3
07-19-65 1242338 5502034 5-73					25		14,177	3.72	528						
1486970 HARTSBROOK MAX SUNRAY-TWIN....*		1	12	1-14	12	1.9	16,235	3.44	558	0	22	+518	-.07	+8	+22
07-02-65 1382768 3644349 5-73					9		13,871	3.77	523						
1486974 YANKEELAND LOCHINVAR GOVERNOR.*		2	8	1-13	12	1.3	10,335	3.67	379	0	25	-738	.00	-26	-44
09-13-65 1179575 5781416 1-73					13		13,180	3.66	482						
1486977 MERRYWAY PEB SCOTTIE.....*		2	13	2-21,51	15	1.8	14,372	3.41	490	0	25	-87	-.04	-9	-10
09-19-65 1282596 4660145 5-73					18		14,758	3.58	529						
1487002 ZELDENRUST ROYAL STAR.....*		5	60	2-32,43	70	1.6	16,389	3.42	560	14	30	+169	-.04	0	+5
09-12-65 1397752 5846146 5-73					30		15,977	3.55	567						
1487005 ZELDENRUST BONDSMAN.....	31-02	117	4	11-31,43,	222	1.5	14,884	3.63	541	10	90	+142	.00	+5	+8
08-23-65 1297169 4371253 5-73				55,56,57	25		14,753	3.64	537						
1487034 BISHOP LEADSMAN.....*		3	5	1-13	12	2.0	15,740	3.75	591	0	33	+76	+.03	+7	+8
08-20-65 1290616 4632024 5-73					24		15,633	3.68	576						
1487037 GROVELAND PIONEER.....		1	17	1-41	17	2.3	16,533	3.64	602	12	26	+126	-.03	0	+4
04-28-65 1292880 5779595 5-73					30		16,225	3.77	612						
1487038 MT HARTFORD MARQUIS TIM.....*		1	10	1-31	10	1.3	9,903	3.25	322	33	19	-387	-.01	-15	-24
08-10-65 1459996 4029263 5-73					29		11,660	3.38	394						
1487039 HAGEMANS IDYL.....		1	10	1-35	10	1.6	17,278	3.70	640	10	20	+276	+.01	+11	+17
07-17-65 1406271 5532150 1-73					18		16,081	3.70	595						
1487040 HAGEMANS TEMPO.....*	35-05	2	11	1-35	13	1.6	17,881	3.75	670	8	23	+590	+.03	+26	+39
09-23-65 1406271 5269827 5-73					14		15,453	3.63	561						
1487063 BRIGEEN CHIEF CYCLONE.....*		5	9	3-11,14,	17	1.9	16,965	3.61	612	12	34	+208	-.01	+6	+11
11-26-65 1397517 5161118 5-73				16	44		16,562	3.64	603						
1487079 EHRS HIGHCROFT GERBEN.....		5	7	1-47	17	1.7	14,473	3.48	503	53	35	-291	-.01	-12	-19
03-26-65 1416711 5061672 5-73					14		15,409	3.52	543						
1487082 RICHLY PHOEBE CLAPPER.....*		3	15	1-82	25	1.3	14,075	3.43	483	52	31	-47	-.02	-4	-5
08-28-65 1283309 4203729 5-73					23		14,215	3.51	499						

REGISTRATION NUMBER / NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HO	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS	REC/DAU HM/DAU	HEROMATE	MILK	% MILK	FAT	% FAT	1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1487091 CLEMSON REFLECTOR ASTRONAUT...*		2	15	1-56	17	1.7		14,103	3.74	527		18	25	-92	-.01	-5	-7
C8-14-65 1298831 5369162 5-73					45			14,489	3.82	554							
1487095 COCHRAN SUNSHINE CHARMER.....*		6	8	3-21,23,	17	1.7		18,111	3.20	580		6	34	+684	-.14	+4	+24
08-27-65 1456271 5201823 5-73				35	18			16,310	3.52	574							
1487096 KREMEIER ORMSBY BERT.....		1	12	1-73	12	2.1		15,742	3.67	578		0	23	+16	+.02	+4	+4
C7-08-64 1316533 5267911 5-73					12			15,815	3.56	563							
1487124 VENICA CROSS PREMIUM.....		1	49	1-91	49	1.5		13,244	4.00	530		15	26	-486	+.11	-2	-16
C8-11-65 1439051 5111598 5-73					82			15,196	3.59	546							
1487127 S D A ACADEMY PERFECTION 8 V..*		3	21	2-91,92	42	1.3		15,214	3.60	548		15	37	-416	+.04	-9	-20
C9-26-65 1307195 5171490 5-73					76			16,561	3.50	580							
1487148 KNOB LICK ELEVATION 808.....	35-75	26	1	10-21,34,	31	2.0		17,162	3.40	584		16	66	+1,140	-.13	+21	+52
10-02-65 1271810 5225456 5-73				35,55,93	40			15,541	3.57	555							
1487151 IRVINGTON PONTIAC REFLECTION..*		10	8	5-14,16,	42	1.8		14,636	3.44	503		8	56	-158	+.02	-3	-7
C9-22-65 1445718 5704234 5-73				23,51,52	89			14,977	3.40	509							
1487155 PADE FARMS LILITH ARISTOCRAT..*		1	10	1-35	10	1.5		12,208	3.56	435	**	20		-68	-.02	-6	-7
11-03-65 1236789 5039679 1-73					16			12,352	3.75	463							
1487176 HOBIRK CALIBAN FRANCO.....		2	20	1-32	40	2.2		13,970	3.71	518		18	40	-287	-.03	-15	-21
10-26-64 1246183 5131262 5-73					9			14,718	3.82	562							
1487205 SPY ROCK VELVET GLAMOUR BOY...*	21-10	42	1	7-11,12,	44	2.0		15,919	3.54	564		5	74	+313	-.03	+7	+15
11-21-65 1282185 5381078 5-73				13,16,21	26			15,618	3.58	559							
1487213 KYLAND COUNT ROCKY.....*		1	22	1-32	22	1.9		13,667	3.60	492		9	25	-137	-.01	-6	-9
C7-27-65 1388256 5185514 1-73					39			14,192	3.65	518							
1487217 KYLAND WORTHY JEWEL.....*		1	16	1-31	16	1.8		14,333	4.07	584		13	24	-14	+.07	+10	+8
10-22-65 1124780 4389901 5-73					42			14,396	3.79	545							
1487226 W D T S AJOACIOUS STAR.....*		1	18	1-73	18	1.8		16,917	3.38	571		0	24	+391	-.01	+12	+22
C8-30-65 1454880 5898094 5-73					8			15,396	3.40	523							
1487233 FREDELYN FARMS BURKGOV.....	35-75	20	1	9-34,35,	23	1.9		15,839	3.45	546		9	58	+68	-.09	-11	-7
C7-16-65 1038509 4666610 5-73				82,84,93	36			15,870	3.60	571							
1487245 THONYMA SENATOR JOHN.....*		7	4	3-47,48,	17	1.6		14,442	3.54	511		40	42	-491	-.01	-19	-30
12-14-64 1252985 5660681 5-73				73	15			15,747	3.58	564							
1487265 WINOY WILLOW DOUBLOON-TWIN....*	23-13	52	2	5-21,22,	63	1.9		15,560	3.41	531		11	79	+402	-.21	-17	-2
11-01-65 1282185 3825002 5-73				23,51,73	27			15,121	3.69	558							
1487274 SKIPAREE PAT.....		1	27	1-13	27	1.7		13,345	3.52	470		0	25	+71	-.03	-2	+1
10-12-64 1291498 5225962 1-73					17			12,917	3.69	476							
1487297 OEE ANN ECHO REGENT.....	72-01	34	5	8-31,43,	85	1.7		16,171	3.66	592		5	77	+713	+.04	+31	+47
12-02-64 1429821 4679613 5-73				48,55,56	21			15,335	3.62	555							
1487301 OEE ANN RE ECHO MIKE.....*		1	31	1-86	31	1.8		17,733	3.38	599		10	26	+184	-.01	+5	+10
10-30-64 1230610 4679654 5-73					33			17,314	3.39	587							
1487306 HOWCOJEL J M.....		1	15	1-14	15	1.5		14,836	3.82	567		43	22	+168	+.02	+9	+12
10-21-65 1308429 4635865 5-73					51			14,037	3.75	526							
1487311 ROSENHOLM SKYLINER.....		1	16	1-35	16	1.8		13,223	3.51	464		23	23	-168	+.01	-4	-8
C6-13-65 1244845 4492296 5-73					12			13,908	3.46	481							
1487313 MACS STAR FOBES.....*		1	22	1-21	22	1.5		15,627	3.73	583		14	24	+288	+.02	+14	+20
C6-06-65 1389471 4844832 5-73					14			14,410	3.64	525							
1487322 LAKE-HOME SKOKIE JUNIOR.....		2	10	1-13	13	1.8		13,715	3.51	481		0	26	-112	-.03	-8	-10
11-16-64 1288610 5236923 9-72					16			14,117	3.63	513							
1487336 MILLERHURST ORMSBY PAT.....	35-75	18	1	6-33,35,	20	1.8		15,387	3.76	578		42	54	-494	+.09	-5	-19
03-21-65 1273756 3878027 5-73				55,91,93	119			16,510	3.61	596							
1487366 FOXLEASE REFLECTION BOLERO....		1	21	1-52	21	1.4		15,351	3.62	556		6	23	+116	+.02	+7	+9
10-15-65 1459996 5656017 5-73					2			14,894	3.55	528							
1487367 FOXLEASE MAXIMUS.....*		11	7	2-52,58	23	2.0		15,788	3.57	564		18	44	+89	-.02	0	+3
10-04-65 010239801 5605304 5-73					36			15,718	3.63	571							
1487369 FOXLEASE LORD FAIRFAX.....*		4	8	2-52,58	14	1.5		15,485	3.77	584		7	29	-36	+.06	+7	+5
10-22-65 1189870 5671292 5-73					36			15,748	3.58	563							
1487390 ROLLINGWOOD MISTER O.....		2	11	2-52,82	13	2.2		14,247	3.73	531		0	26	-111	+.01	-2	-5
03-27-64 1352967 4693913 5-73					14			14,720	3.72	547							
1487403 REMSEN SKOKIE DUCHESS WOODSIDE*		3	8	1-21	15	2.1		16,042	3.72	596		**	33	+87	+.06	+12	+12
11-20-63 1288610 4709737 5-73					15			15,933	3.53	563							
1487413 BRADLEY VIEW ESCALATOR.....*		8	8	1-74	27	1.3		17,365	3.31	574		11	43	+247	-.03	+4	+11
10-27-65 1271810 5607969 5-73					18			17,059	3.35	571							
1487420 BLUE HAVEN MONA GAIETY.....*		4	6	3-31,34,	12	1.4		15,216	3.29	501		**	28	-45	-.04	-7	-7
11-17-64 010257221 011246999 5-73				57	31			15,492	3.43	531							
1487439 TOWEDALE LUCIFER.....*		1	10	1-34	10	2.3		15,157	4.24	642		13	23	-244	+.06	0	-7
07-13-65 1290182 5474057 5-73					25			16,442	4.01	659							
1487446 JLM REFLECTION DYNAMIC.....*		3	9	1-73	12	1.6		17,999	3.49	628		8	25	+237	-.03	+4	+10
C8-06-65 1459996 5346272 5-73					18			17,352	3.58	621							
1487447 JLM REFLECTION COMET.....*		2	26	1-73	31	1.3		16,575	3.27	542		17	27	+144	-.02	+3	+7
09-02-65 1459996 4855259 5-73					28			16,227	3.28	532							
1487459 JONESVILLE SKYLINER STAR.....*		4	6	1-21	13	1.7		15,921	3.83	609		23	32	+128	+.06	+13	+15
C9-20-65 1244845 5301392 5-73					49			15,643	3.66	572							
1487472 CARNATION POLARIS PLUTO-TWIN..	91-11	86	2	17-21,23,	129	1.4		14,217	3.58	509		17	86	-71	-.05	-10	-10
11-10-65 1323059 5559852 5-73				34,35,42	16			14,291	3.65	522							
1487475 EE-OA-HOW ROCK REFLECTOR-TWIN.*	91-11	89	2	20-21,23,	138	1.3		13,626	3.52	479		20	87	-594	-.11	-37	-48
C9-15-65 010252803 5053789 5-73				35,41,42	21			14,305	3.66	524							
1487482 HOOSIER-DELL MISTER KOOP-TWIN.	35-75	15	2	9-35,42,	20	1.9		16,362	3.45	564		12	54	+310	-.10	-3	+7
07-30-65 842876 4691475 5-73				55,91,93	37			15,938	3.63	578							
1487502 PINEHURST PATENT.....*		10	5	7-35,41,	21	1.6		14,977	3.52	527		35	43	-40	-.01	-3	-4
01-17-65 1492073 5770848 5-73				43,71,73	21			15,147	3.56	539							
1487503 EL-LOW ROBARON MARK.....*		1	11	1-41	11	2.0		13,954	3.57	498		36	22	-141	+.01	-4	-8
C6-15-65 1419722 5490890 5-73					20			14,633	3.55	519							
1487509 SNOOK-HILL OEEN VAR PIONEER...*		3	12	1-21	16	2.0		18,350	3.49	640		7	28	+239	-.05	+2	+9
01-08-65 1292880 4214070 5-73					32			17,847	3.62	646							
1487511 KILINSOALE WHITTIER ELFAC.....	23-09	5	13	3-14,21,	26	1.8		17,593	3.90	687		16	37	-71	+.08	+9	+5
08-08-65 1356152 4724362 5-73				23	29			18,165	3.74	679							

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS/DAU	REC/DAU HERDMATE	MILK	% MILK	FAT	% FAT	1ST INC	REPT %	PREDICTED MILK	%	DIFFERENCES FAT	$$
1487548 MAVIEW DUKE FERNSIDE PIONEER..*		3	9	1-55	12	1.5	17,703	3.86	683		0	25	+385	+.01	+16	+25
09-05-65 1303347 5429400 9-72					24		16,351	3.84	628							
1487574 OVERLEA SILVER KING.....*		2	6	1-23	12	1.7	14,096	3.71	523		0	29	-251	-.01	-11	-17
10-23-65 1459996 4066313 5-73					9		15,034	3.79	570							
1487577 RAYNOR BURKGOV FLETCHER.....*		4	7	1-48	18	1.8	15,108	3.55	536		18	37	+343	+.04	+18	+25
06-23-65 1441048 5336100 5-73					13		14,153	3.43	485							
1487581 GO-MAY SIR PIONEER JOLLY.....		2	7	1-41	10	1.2	12,511	3.63	454		33	22	-210	.00	-7	-12
09-13-64 1432241 5180552 9-72					14		13,354	3.65	487							
1487607 REYNOLANO FOBES OAGAN PACER...	21-10	33	1	5-11,13,	34	2.1	15,961	3.58	571		12	69	+450	-.02	+13	+24
C4-02-65 1223243 4406022 5-73				14,16,21	25		15,411	3.61	556							
1487619 SPARKO REFLECTION MARK.....*		5	7	3-32,34,	18	1.9	15,796	3.50	553		8	38	+152	-.10	-9	-3
10-26-65 1459996 6293536 5-73				46	20		15,510	3.78	587							
1487645 EXRANCO ZENITH.....	93-03	6	13	1-93	26	1.6	17,719	3.61	640		26	36	+97	+.01	+5	+7
09-19-65 1032011 5621198 5-73					175		17,789	3.58	637							
1487653 AROEAN REVELATION COMMANDER...		1	17	1-41	17	1.5	13,402	3.58	480		29	23	-372	+.02	-11	-20
09-20-65 1427872 5453400 5-73					3		15,103	3.53	533							
1487657 WELCOME WAY NEPTUNE CREAMELLE.*		1	10	1-35	10	1.3	16,342	3.65	597		30	19	-145	-.03	-9	-12
09-14-65 1314767 4762269 1-73					17		17,406	3.81	663							
1487669 APACHE CITATION SANOY.....*		5	46	5-21,84,	64	1.8	15,697	3.19	500		25	34	+64	-.06	-6	-3
10-11-65 1492073 4405506 5-73				85,86,87	118		15,633	3.33	520							
1487680 SEQUOIA DJSTY VALIANT.....*		3	6	2-91,93	14	1.5	17,156	3.70	634		33	31	-332	-.01	-13	-21
06-24-65 1342072 3952257 5-73					103		18,657	3.73	696							
1487697 AYRMOR ERIC.....	23-13	96	3	4-23,51,	168	1.7	15,142	3.82	579		8	88	+142	+.12	+23	+23
C8-14-65 1273756 4561331 5-73				52,54	26		15,047	3.70	557							
1487704 STONEACRE WAYNE EMBLEM.....*		3	6	1-31	12	1.1	13,234	3.51	464		**	27	-205	+.02	-5	-10
C4-24-65 1458685 4976289 1-73					23		13,954	3.45	482							
1487733 BEEZLEY FARM SUPREME MARK.....		4	7	1-48	13	1.7	15,416	3.54	546		0	30	-314	-.01	-13	-20
09-10-64 1179373 4308032 5-73					25		16,697	3.60	601							
1487740 WEL-HI CAPPER JOE.....		2	30	1-32	34	1.5	14,182	3.66	519		25	27	+5	.00	0	0
07-11-64 1417208 5289969 5-73					14		14,138	3.71	525							
1487780 FAWSKI GRANDIER.....	41-01	52	1	5-41,45,	59	1.5	14,792	3.40	503		16	77	+49	-.14	-18	-13
C9-13-65 1277619 4966748 5-73				46,82,87	18		14,766	3.58	529							
1487787 LEWVINA SIR LANCELOT.....*	31-07	14	2	2-32,34	19	1.7	15,739	3.82	601		18	51	+234	+.12	+26	+28
10-03-65 1290182 5197810 5-73					20		15,374	3.59	552							
1487789 ALMAR KNOX VIEW KING ADMIRAL..*		1	16	1-31	16	1.1	16,197	3.72	602		8	21	+198	-.01	+6	+11
10-24-65 1281628 4884888 1-73					15		15,327	3.77	578							
1487811 ROCK RIVER RELIABLE.....		1	17	1-73	17	1.1	12,421	3.84	477		7	21	-406	+.07	-5	-16
11-26-65 1255166 3589949 5-73					8		14,406	3.50	504							
1487815 AMES-WAY SKY PILOT.....*		5	5	2-35,72	13	1.8	13,572	3.77	512		0	34	-210	+.03	-4	-10
04-04-65 1441148 4716777 5-73					19		14,166	3.71	526							
1487823 APACHE CITATION MARQUIS.....		8	16	3-71,84,	38	1.3	15,541	3.38	526		3	40	-23	-.02	-3	-3
10-09-65 1459996 5894176 5-73				86	92		15,736	3.43	539							
1487824 OOS PALMOS JULE SANDY.....*		2	11	1-93	13	1.5	17,637	3.62	638		0	24	+565	-.02	+17	+31
06-19-65 1389735 5557307 5-73					34		15,327	3.73	571							
1487830 VAN DUKE BLACKERN U R B.....		1	11	1-34	11	1.7	17,448	3.57	623		0	21	+220	-.03	+4	+10
07-15-65 1222994 5586448 5-73					5		16,633	3.69	613							
1487834 RUFI HOMESTEAD IMPERIAL.....*		2	11	2-35,74	13	1.2	15,391	3.88	597		0	22	+311	+.03	+15	+22
11-22-65 1242221 5151945 9-72					45		13,924	3.80	529							
1487851 MARDY PATHFINDER IVANHOE.....*	35-21	1	18	1-21	18	1.4	16,274	3.53	574		7	22	+435	-.05	+9	+21
11-10-65 1433368 5539452 5-73					17		14,323	3.74	535							
1487869 BALBERME FARMS BILLY.....		1	15	1-11	15	1.8	13,896	3.60	500		0	23	-21	-.01	-2	-2
01-21-64 1259069 4077396 5-73					6		13,948	3.69	514							
1487871 SCHURZ GOLD BOND CRISSY X.....*		5	3	1-35	10	1.4	13,201	3.84	507		0	31	-600	+.09	-9	-26
09-17-65 1378594 5155770 1-73					14		15,197	3.56	541							
1487875 FAIR HILL G B LUCKY.....*		5	5	2-52,55	12	1.3	14,759	3.56	525		0	30	+8	-.02	-3	-2
08-06-65 1282185 5187731 9-72					27		14,770	3.67	542							
1487878 FAIR HILL B B LAD.....*		3	9	1-51	12	2.0	15,653	3.59	562		8	27	+348	-.04	+7	+16
C4-15-65 1122127 4089453 5-73					89		14,357	3.75	539							
1487888 CLOVERVALE FAYNE PRINCE PHILIP*	23-13	37	2	3-21,22,	51	2.1	15,110	3.47	524		14	75	-3	-.19	-28	-23
06-20-65 1282185 4415249 5-73				23	31		15,195	3.73	567							
1487895 DELPRIDE ADMIRAL MARQUIS.....*		1	10	1-23	10	1.1	14,719	3.51	516		30	18	-260	-.04	-15	-20
10-23-65 1459996 5634977 1-73					27		16,350	3.77	616							
1487903 U V M JUPITER HEADMAN.....*		3	12	2-13,14	17	1.8	14,870	3.48	518		33	28	-197	-.01	-9	-13
01-30-65 1419341 4647825 5-73					20		15,099	3.55	557							
1487965 LONBRIK BETTIE DUKE.....		1	49	1-91	49	1.3	14,036	3.59	504		13	25	-111	.00	-4	-7
07-06-65 1222994 4347877 5-73					55		14,493	3.62	525							
1487972 BREEZY HOME MARQUIS MONTY.....*		7	4	1-21	12	1.3	12,875	3.41	439		27	32	-687	-.01	-26	-42
11-01-65 1459996 5276377 5-73					25		15,089	3.46	522							
1487980 MAIRSDALE IRVINGTON SUPREME...*		3	7	1-45	12	1.2	12,231	3.25	397		70	25	+229	-.03	+4	+10
09-15-65 1237057 4611310 5-73					25		10,971	3.34	366							
1487982 HAYSSEN RAG APPLE ORIAN.....*		6	6	4-32,35,	20	2.0	14,321	3.25	466		5	41	0	-.14	-20	-16
11-16-65 1420020 5540286 5-73				56,73	14		14,312	3.61	516							
1487994 HAMMOND NANCY GOLDEN BELL-TWIN	35-75	32	2	13-32,41,	44	1.8	15,901	3.65	581		11	72	-114	+.04	+1	-3
10-20-65 1221761 3930428 5-73				55,91,93	62		16,247	3.61	587							
1487995 HAMMOND NANCY GOLDEN BOY-TWIN.	35-75	32	1	11-21,34,	35	1.7	16,296	3.41	556		17	68	+340	-.12	-6	+5
10-20-65 1221761 3930428 5-73				35,41,93	42		15,950	3.58	571							
1488000 AJRF KIT CARSON.....*		2	24	2-84,93	28	1.1	16,361	3.55	581		26	25	+199	-.03	+3	+8
09-24-65 1357308 5581208 5-73					86		15,683	3.67	576							
1488017 BY-GEMS STANDOUT LEADER.....*		1	20	1-35	20	2.2	15,631	3.68	575		11	26	+79	+.01	+5	+6
07-25-65 1375087 4776245 5-73					9		15,429	3.62	559							
1488025 INNLAWN ROYAL MASTER.....*		3	5	1-31	10	2.5	11,948	3.78	452		0	31	-606	+.04	-16	-31
C5-24-64 010259958 011308852 1-73					23		13,860	3.66	507							
1488032 PENN-GATE FOND ARISTOCRAT ACE.*		8	6	3-23,51,	22	1.3	12,595	3.42	431		27	42	-940	-.03	-38	-60
11-19-65 1458324 4643806 5-73				55	31		14,910	3.53	526							

REGISTRATION NUMBER / NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS HM/DAU	REC/DAU HEROMATE	MILK	% MILK	FAT	% FAT	1ST INC	REPT %	PREDICTED DIFFERENCES MILK	% MILK	FAT	% FAT
1488052 ST CROIXCO HONEYMAN OAN.....	35-21	20	1	3-35,41,	24	1.7	14,625	3.45	505	17	58	+181	-.07	-3	+3
07-04-65 1255694 3676385 5-73				42	14		14,335	3.58	512							
1488053 ST CROIXCO PIOON MAJOR.....*		3	6	2-35,41	12	1.6	14,750	3.71	548	18	29	-403	+.02	-12	-22
C8-15-65 1198696 4262295 5-73					25		16,377	3.66	600						
1488C54 ST CROIXCO PRAIRIE RANGER CHAL*		4	7	2-35,41	12	1.4	14,744	3.78	557	42	26	-66	+.02	+1	-1
C8-19-65 1291499 4036550 5-73					23		15,066	3.69	556						
1488055 HINZEVILLE JAY BELLE BOY.....*		3	16	2-32,35	21	2.3	14,349	3.82	548	5	31	+96	+.03	+8	+9
06-27-65 1259069 5649984 5-73					19		14,003	3.73	523						
1488C57 TAYLOR-MAID ROAMER ZIGO ADVENT*	21-10	48	1	6-11,12,	48	1.8	15,094	3.54	534	10	75	-353	-.02	-16	-24
C9-23-65 1171458 5020439 5-73				14,16,21	27		15,697	3.57	561						
1488069 SLICKHILL ROMANDALE MARQUIS...*		3	4	1-23	11	1.4	11,493	3.80	437	45	29	-457	+.02	-14	-25
11-25-65 1459996 5529055 1-73					14		12,920	3.75	484						
1488076 FLA LANA SKYLINER.....*		2	8	2-58,65	11	1.5	12,673	3.24	411	45	24	-470	-.01	-19	-30
C8-16-65 1244345 3705298 1-73					32		14,655	3.34	490						
1488C91 CHAPEL BANK CARDINAL.....*		12	16	4-13,16,	42	1.7	15,505	3.57	553	10	44	-133	.00	-5	-8
C9-04-65 1395071 5587263 5-73				21,32	25		15,966	3.58	571						
1488097 ELM RIOGE CELEBRITY REFLECTOR.*		4	6	1-35	11	1.5	11,676	3.91	457	50	26	-696	+.03	-21	-38
01-28-65 1395838 5351495 5-73					24		14,307	3.80	544						
1488098 ELM RIOGE CELEBRITY KNIGHT....*		2	23	1-35	25	1.8	12,611	3.77	475	42	26	-540	+.01	-18	-31
C3-07-65 1395838 5518394 5-73					33		14,691	3.73	548						
1488102 ELM RIOGE CELEBRITY CHARMER...*		1	25	1-35	25	1.7	14,577	3.94	575	4	25	-71	.00	-2	-4
C5-27-65 1395838 5406905 5-73					25		14,915	4.00	596						
1488117 HOWACRES REFLECTOR MASTER.....*		14	1	4-12,13,	17	1.5	14,367	3.78	543	14	48	-604	+.06	-14	-30
11-04-65 1298430 4820034 5-73				14,21	18		15,752	3.69	581						
1488119 SHAW-ACRES POWER JEM.....		1	14	1-34	14	2.1	14,096	3.64	513	10	24	+26	.00	+1	+2
02-14-64 1428125 4607796 9-72					18		13,946	3.63	506						
1488121 SRD NOBLE VICK TEXAS.....*		6	20	1-74	31	1.8	13,266	3.20	425	3	33	-569	-.01	-22	-35
C8-03-64 1370640 4258924 5-73					86		15,054	3.26	491						
1488131 KANSTAPEN BURKE GALDER.....*		1	23	1-48	23	1.3	16,143	3.55	573	22	23	-149	.00	-6	-9
05-23-65 1233487 3712851 5-73					22		17,072	3.58	611						
1488146 ZIMMERMAN OEAN STAR SARGE.....*	23-01	11	4	6-23,34,	24	1.5	13,968	3.79	530	17	49	-300	+.08	0	-9
11-25-64 1433539 5685235 5-73				41,64,85	33		14,607	3.65	533						
1488151 ZIMMERMAN OEAN STAR STU.....*		1	32	1-21	32	1.1	12,483	3.69	460	**	23	-512	+.01	-17	-29
C6-28-65 1433539 4648404 5-73					75		14,780	3.65	540						
1488152 ZIMMERMAN TYSTAR ROYAL ALY....*		1	14	1-21	14	1.7	12,191	3.85	469	21	23	-513	+.04	-13	-26
04-17-65 1360676 4196430 5-73					31		14,483	3.68	533						
1488153 ZIMMERMAN TYSTAR ROYAL ARTO...*		1	16	1-31	16	1.1	14,926	3.96	591	0	21	+84	+.04	+9	+10
05-31-65 1360676 5073959 5-73					11		14,533	3.81	553						
1488159 WILOTOP WINDER MAC.....*		1	13	1-31	13	1.5	15,170	4.06	616	11	21	+114	+.01	+6	+8
11-03-65 1432018 4661407 5-73					16		14,661	4.05	594						
1488210 PLATZ NOBLY REVELATION.....		3	20	1-33	27	2.0	16,483	3.66	603	0	31	+150	.00	+5	+9
09-17-64 1452841 3641046 5-73					14		16,182	3.67	594						
1488218 ZELSON MARQUIS BEV BUO.....*		4	18	1-21	23	1.7	16,303	3.34	544	11	29	-109	-.08	-16	-16
C7-15-65 1459996 3945448 5-73					36		16,940	3.61	612						
1488223 MUELLER FONO CANNON.....		6	6	2-41,46	20	1.0	17,137	3.38	579	39	36	+238	-.07	-1	+6
C7-06-65 1292699 3510277 5-73					12		16,711	3.54	591						
1488226 SKOKIE BELLMAN.....*		1	14	1-93	14	1.1	16,718	3.94	658	0	20	-26	+.03	+4	+2
11-14-65 1288610 3999944 5-73					49		17,124	3.80	651						
1488231 ROUND OAK EFFICIENT EDUCATOR..*		1	22	1-52	22	2.3	18,161	3.52	640	0	27	+204	-.02	+4	+9
10-02-64 1441298 4596284 5-73					22		17,734	3.59	636						
1488246 M V B A COMRE POLLY TEO.....	41-01	73	2	4-41,42,	90	1.8	14,102	3.67	518	11	84	-390	+.09	-2	-13
02-12-65 1242338 3988198 5-73				45,46	20		14,590	3.58	522						
1488257 VEAZLAND TOBY CHIEF.....*		1	10	1-11	10	2.7	15,670	3.50	548	0	23	+124	+.04	+11	+13
C1-15-65 1397517 5249492 5-73					13		15,222	3.28	500						
1488258 VEAZLAND MASTER CHIEF-TWIN....*		2	16	1-11	18	2.3	14,815	3.65	541	0	28	-105	-.03	-8	-10
C3-11-65 1397517 4252082 5-73					30		15,290	3.79	579						
1488259 L W REFLECTOR TRIUMPH COUNT...*		9	8	2-42,55	24	1.8	16,506	3.93	648	17	42	-146	+.10	+9	+3
C8-22-65 1316533 5513445 5-73					23		17,125	3.73	639						
1488261 PRETZ BURKE IODL.....*	23-09	9	20	2-48,73	55	1.8	15,917	3.69	588	6	48	+142	+.01	+6	+9
C1-02-65 1013415 5701761 5-73					15		15,754	3.69	582						
1488263 JAY RIOGE MOOSEHEART PIONEER..*		2	11	1-23	13	1.8	13,833	3.84	531	46	24	-268	+.02	-7	-14
C8-17-65 1292380 3687131 5-73					34		15,010	3.80	571						
1488276 WASIOJA BURKE REBEL.....*		5	12	2-41,47	28	1.6	13,218	3.69	488	9	39	-480	+.06	-9	-22
01-04-65 1372052 4921437 5-73					13		14,468	3.55	514						
1488284 MISS K MARQUIS LUKE.....*		4	6	1-21	15	1.6	12,130	3.60	435	17	35	-586	+.02	-19	-33
10-08-65 1459996 5824568 5-73					18		13,721	3.56	488						
1488304 W R G PRINCE KERK.....*		9	3	2-52,54	16	1.4	15,622	3.52	550	19	42	-69	-.02	-6	-7
10-26-65 1293152 4628376 5-73					23		15,944	3.58	571						
1488308 LOCHEVALE BOB LUCKY.....		1	30	1-31	30	2.1	13,484	3.58	483	21	27	-69	-.01	-4	-5
07-23-64 1431755 4267105 5-73					31		13,670	3.64	498						
1488317 DELI KARMA MARQUIS NOBLEMAN...		1	24	1-33	24	1.4	13,430	3.49	469	4	24	-68	-.03	-7	-8
07-06-65 1459996 5133855 1-73					13		13,650	3.68	502						
1488326 TRI-STATE COMET MARATHON.....*		9	3	1-35	20	1.6	14,105	3.64	513	43	48	-250	-.04	-14	-19
04-27-65 959466 5703871 5-73					16		14,653	3.73	546						
1488332 BROOK LODGE TRIUNE MASTER.....*		2	14	1-52	16	1.3	14,502	3.71	538	44	23	-246	+.01	-7	-13
C8-22-65 1346850 3930107 5-73					24		15,702	3.69	579						
1488339 LAZYOICK PEB MONSTER.....*		1	11	1-13	11	1.1	12,162	3.55	432	9	19	-97	+.01	-2	-5
C9-23-65 1282596 6032009 5-73					27		12,501	3.52	440						
1488342 LONGSWAMP K W KEYWORTH.....*		4	5	2-32,34	15	2.2	17,434	3.45	602	0	39	+508	-.10	+4	+19
12-21-64 1449306 5113434 5-73					27		16,333	3.68	601						
1488341 ST CROIXCO KIP.....*		1	23	1-35	23	2.0	13,309	3.52	469	17	25	-383	-.04	-20	-28
12-16-64 1411048 5602568 5-73					11		14,868	3.73	554						
1488352 SUNTOP A 3 S FRECKLES.....	35-75	21	2	8-13,35,	31	1.6	16,454	3.43	564	21	62	-6	-.07	-10	-8
12-06-65 1192713 5089239 5-73				41,55,93	103		16,695	3.53	589						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES AND WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS HM/DAU	REC/DAU HERDMATE	MILK	% MILK	FAT	% FAT	1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1488357 COMBS-FARM VOYAGER.....*		1	10	1-54	10	1.1	15,559	3.57	555	43	18	-142	+.01	-3	-7
C7-05-65 1415085 4286746 5-73					18		16,563	3.51	581							
1488381 REKIS KLAZERINA CHAMPION.....*		1	13	1-35	13	2.0	15,974	3.78	604	8	23	-141	+.02	-2	-6
06-29-65 1286826 4511636 5-73					10		16,826	3.73	628							
1488420 MAPLE PATH TRIUMPH WIS ALPHA..*		4	29	2-23,51	35	1.4	14,500	3.51	509	24	28	-200	-.01	-9	-13
09-18-55 1316533 5240480 1-73					22		15,314	3.57	547						
1488422 ROBINWAY DAVE.....		1	20	1-35	20	2.3	16,249	3.24	527	0	26	+318	-.11	-4	+6
11-08-65 1434460 4695470 5-73					34		15,107	3.62	547						
1488424 ROBINWAY DAN.....*		1	26	1-35	26	1.9	16,062	3.90	626	8	26	+196	+.05	+14	+17
08-29-65 1399092 4951195 5-73					38		15,412	3.75	578						
1488428 PLATZ CHARMER PRINCE.....		2	35	1-33	37	1.9	15,696	3.63	570	6	28	+307	-.01	+10	+18
C7-27-65 1357743 5157618 5-73					18		14,611	3.65	534						
1488442 KINGSTEAD BELLE BOY.....	23-13	73	2	5-21,23, 51,52,54	109	1.9	13,752	3.87	532	10	85	-721	+.19	0	-22
09-17-65 1290182 4353447 5-73					26		14,622	3.66	535						
1488466 MARSH-HAVEN MARQUIS.....*		4	5	3-23,51, 52	12	1.1	14,467	3.62	524	**	28	-190	-.04	-12	-16
06-12-65 1459996 5290028 5-73					17		15,227	3.78	576						
1488480 ODREIGH FARMS SUPREME DAN.....*		17	4	4-13,14, 16,21	33	1.6	16,229	3.71	602	18	58	-124	+.04	+1	-3
11-15-55 1296819 4813253 5-73					24		16,671	3.66	610						
1488495 NUNESDALE ORIGINATOR.....	93-19	8	13	1-93	37	1.4	17,863	3.96	708	0	43	-117	+.10	+10	+5
C4-08-65 1410237 4451693 5-73					89		18,551	3.79	704						
1488496 NUNESDALE REFLECTION KIT.....*		8	6	1-93	18	1.2	17,370	3.53	614	39	36	-402	+.03	-10	-20
10-29-65 1459996 4890544 5-73					59		18,963	3.48	659						
1488500 BETTERWAY REAR ADMIRAL.....	93-19	8	3	1-93	16	1.2	22,953	3.61	828	0	40	+1,346	+.01	+50	+82
06-25-65 1237057 4550536 5-73					82		20,202	3.59	725						
1488503 FLEETRIDGE PROMINENT.....*		2	10	1-16	12	2.6	17,695	3.65	645	33	26	+34	-.01	0	+1
10-27-63 010274514 52D8023 5-73					33		17,914	3.70	663						
1488514 SCOTTSAN REGAL SAMSON.....*		2	9	1-22	11	3.1	18,350	3.49	641	0	27	+698	-.04	+19	+37
C5-01-64 1374233 5014099 5-73					50		15,905	3.63	578						
1488540 VIGO LEGACY COMRADE.....*		3	24	2-35,52	28	1.6	15,848	3.69	584	11	27	+93	-.02	+1	+4
C7-05-55 1451145 5015094 5-73					16		15,633	3.75	587						
1488548 PACLAMAR REFLECTION CAESAR....		1	36	1-31	36	1.5	15,235	3.54	539	12	25	+119	-.02	+2	+5
10-10-65 1438738 4743633 5-73					37		14,802	3.59	531						
1488552 KOWCHICPO KING ORMSBY BARON...*		1	11	1-12	11	1.1	14,039	3.46	486	0	19	-224	-.02	-11	-16
11-27-65 1308796 3723121 5-73					31		15,346	3.62	556						
1488558 MAPLE SLOPE SHARON COSMO.....	21-10	67	1	6-11,12, 14,15,21	75	2.0	16,308	3.61	588	13	82	+786	+.01	+30	+48
C8-14-65 1070036 4620439 5-73					27		15,460	3.59	555						
1488572 FOUNTAIN FARM VALIANT.....*		4	19	2-22,23	24	1.5	15,278	3.44	526	4	28	-74	-.08	-14	-14
C7-14-65 1430843 5607243 5-73					19		15,672	3.73	584						
1488579 SKOKIE BLUE CHIP.....*	33-03	5	13	5-33,35, 42,47,73	20	1.5	15,561	3.79	589	22	29	-97	.00	-4	-6
C7-16-65 1353260 5312517 5-73					53		16,066	3.83	616						
1488601 EDFREO HAYSSEN SUPERB ANN.....*		3	4	2-23,31	11	1.2	13,739	3.57	490	17	29	-571	+.02	-18	-32
09-15-55 1429276 5647140 5-73					10		15,857	3.53	560						
1488603 BUSY ACRES SEARS DUKE REBOUND.	21-10	42	1	7-11,13, 14,16,21	42	1.9	15,961	3.64	581	11	73	+600	+.02	+24	+38
09-22-65 1221835 4537261 5-73					29		15,217	3.62	551						
1488604 BUSY ACRES SUPER RANDY.....	21-10	40	1	6-11,12, 13,16,21	42	2.2	16,885	3.59	606	8	74	+859	-.01	+30	+51
08-07-65 975138 5147937 5-73					26		15,863	3.60	571						
1488605 BUSY ACRES ORLO CHRIS.....*		1	11	1-21	11	1.8	17,134	3.39	581	0	22	+192	+.01	+9	+13
10-07-65 1348259 4714169 5-73					24		16,471	3.30	543						
1488608 STAFFORDSHIRE IVANHOE JERRY...*	23-09	4	15	2-13,21	33	2.2	17,494	3.95	691	6	41	+386	+.12	+31	+37
09-10-64 1436649 49D4822 5-73					49		16,799	3.73	626						
1488638 MALLYDALE PENSTAR CADET.....*		2	9	1-21	11	1.6	14,847	3.81	566	**	23	-97	+.04	+2	-1
C9-27-65 1410984 5468419 5-73					13		15,375	3.66	562						
1488657 WEAVERS INKA TOPPER.....*		11	7	3-43,71, 73	36	1.3	14,097	3.51	495	41	51	-275	-.04	-16	-21
04-17-65 010286409 D11496144 5-73					43		14,671	3.61	530						
1488660 WILLOWLYN SKYCROSS RADAR.....*		4	20	1-52	26	1.7	15,441	3.48	537	12	29	-91	-.05	-10	-11
09-03-65 1441148 5223661 5-73					51		15,910	3.65	580						
1488671 ROUND OAK STAR LIMELIGHT.....*		2	36	1-52	40	1.5	14,548	3.71	540	8	27	+100	+.05	+11	+12
C1-10-55 1437205 5319994 5-73					48		14,156	3.50	496						
1488672 HAZEL BUSH PABST LEADER SEGIS.*		4	16	1-35	24	1.5	14,488	4.20	608	13	31	-230	+.07	+2	-5
08-11-65 1298858 56D6163 5-73					22		15,332	3.99	611						
1488680 AMPLY SENATOR ADMIRAL DAN.....*		6	18	1-32	51	1.8	12,769	3.47	443	6	47	-298	+.02	-8	-16
12-18-54 1252985 5796728 5-73					11		13,298	3.44	457						
1488681 AMPLY SENATOR ADMIRAL DICK....*		5	5	1-32	17	1.5	13,413	3.47	465	24	39	-233	-.03	-13	-18
12-18-65 1252985 5796728 5-73					15		13,968	3.57	498						
1488685 WALOO-ACRES TREASURE BUSTER...		1	22	1-11	22	1.5	13,694	3.81	522	**	24	-56	+.01	0	-2
09-25-65 846856 5336358 5-73					29		13,882	3.79	526						
1488690 CLEARFIELD ADMIRAL DEAN.....*		1	11	1-33	11	2.5	14,701	3.37	496	9	24	+233	-.06	-1	+6
07-03-65 1440098 5759782 5-73					18		13,636	3.70	504						
1488697 CRESCENT BEAUTY PRINCE JULE...*		9	4	2-21,23	16	1.5	11,875	3.71	441	8	40	-1,120	+.03	-37	-64
C9-13-65 1452497 4323537 5-73					19		14,708	3.66	538						
1488708 LECAL HEADMASTER HUGHIE.....		2	10	1-11	12	2.2	13,411	3.75	503	0	26	+81	+.01	+5	+7
C1-06-65 1349029 4227320 5-73					19		12,950	3.71	480						
1488719 DIBBLE NOBLE CRUSADER.....*		2	35	1-63	37	1.6	15,606	3.58	558	17	27	+149	-.01	+4	+8
07-27-64 1349742 5344733 1-73					28		15,115	3.62	547						
1488722 TOPEER-A SEVENS MONARCH.....*		2	12	1-21	14	1.6	17,091	3.57	611	29	24	-250	+.01	-7	-13
12-20-65 1239242 4484450 5-73					43		18,553	3.54	657						
1488726 VENANGOVIEW INVINCIBLE LUCIFER*		1	10	1-23	10	1.0	13,765	3.62	498	**	18	-170	+.04	0	-5
08-21-65 1342225 4499911 5-73					6		14,767	3.41	503						
1488747 MINNECHAUG FARMS PAT SKYCROSS.*		1	19	1-16	19	1.3	16,332	3.67	600	5	22	+94	+.02	+6	+8
10-25-65 1441148 5D43931 9-72					41		16,074	3.61	580						
1488749 O-DET PROMISE PENSY JEWEL.....		1	11	1-47	11	2.1	12,782	3.56	455	10	22	-244	-.01	-10	-16
D5-09-65 1349678 5413506 5-73					19		13,816	3.64	503						
1488775 EDELMA PAYNE ANDY.....	35-75	27	1	10-21,32, 35,91,93	35	1.6	15,455	3.54	547	39	65	-346	-.01	-14	-22
08-11-65 1051172 3994226 5-73					77		16,170	3.56	575						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HO	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS REC/DAU HM/DAU	HERDMATE	MILK	% FAT	1ST LACT MILK	% FAT	REPT LACT INC	PREDICTED DIFFERENCES % MILK	% FAT	$$
1488786 CENTRALIA ROYAL ADMIRAL.....*		2	8	1-42	10	1.6	12,993	3.46	450	13	22	-280	-.02	-13	-19
C5-18-65 1237057 581D641 9-72					10		14,257	3.61	515						
1488803 CO-VALE REWARD LEADER.....*		1	15	1-21	15	1.7	16,757	3.48	583	0	23	+269	+.02	+12	+18
10-14-65 1303180 4952926 5-73					36		15,711	3.38	531						
1488805 KARANA MONTREAL.....*		5	12	2-86,93	26	1.3	17,015	3.33	566	12	35	+384	-.05	+7	+17
07-23-65 1459996 4834459 1-73					39		16,084	3.42	550						
1488814 PINEHURST ADMIRAL HERITAGE....*		4	8	2-35,52	19	1.3	12,524	3.55	445	50	34	-725	.00	-26	-43
09-03-64 1080108 3759073 5-73					46		14,717	3.57	526						
1488829 CLOVER RUN LINDY BERT.....*		2	8	1-42	11	1.5	15,194	3.92	595	10	24	+167	+.03	+11	+14
07-28-65 1410984 4057395 5-73					5		14,506	3.80	551						
1488837 INTERNATIONAL VOLUNTEER.....*		3	10	1-31	18	2.2	13,869	3.89	540	28	33	-343	+.04	-7	-16
09-14-64 010282994 011005527 5-73					25		14,967	3.81	570						
1488850 DOLVIC FOBES SUPREME.....		2	8	1-35	10	1.4	13,236	3.97	525	44	22	-544	+.06	-12	-26
07-07-65 1347065 3505773 1-73					16		15,923	3.72	593						
1488857 FARMCREST RAG APPLE CHARMER...*		1	10	1-93	10	1.8	16,586	3.41	565	0	21	+183	-.02	+4	+9
07-15-65 1357743 5234465 1-73					54		15,873	3.45	548						
1488875 MIDLAND CHAMBRIC CHRIS-TWIN...*		2	9	1-93	17	1.3	13,224	3.86	510	0	30	-473	+.03	-13	-25
09-18-65 1243597 5629528 5-73					40		14,869	3.78	562						
1488889 MITCHELL-ACRES METCALFS.....*		3	16	2-16,21	23	1.4	13,308	3.83	510	47	29	-250	-.01	-11	-17
02-17-65 1298831 5052225 5-73					52		14,151	3.93	556						
1488890 LYMAR MARQUIS.....*		7	5	2-35,74	20	1.6	16,202	3.54	574	24	42	+129	-.01	+3	+6
07-29-65 1459996 5174593 5-73					14		16,065	3.55	571						
1488901 SKOKIE CAVALERO-TWIN.....	35-75	32	2	15-21,23,	43	1.3	15,037	3.66	550	17	69	-188	+.04	-1	-7
11-26-65 1238610 5024958 5-73				35,55,93	45		15,414	3.61	556						
1488907 INDIANHILLS SENATOR FLAME.....*	93-19	6	22	3-42,43,	40	1.5	16,062	3.47	557	5	37	+638	-.02	+20	+36
10-21-65 1252985 4425781 5-73				72	11		14,306	3.50	501						
1488924 MAPLE HILL CHAMPION DUKE OAKYL*		3	5	1-33	11	1.0	14,848	3.43	510	27	25	-1	-.05	-7	-6
07-08-65 1353507 5505764 5-73					23		14,907	3.65	544						
1488932 IVA-NAN ADMIRAL TELSTAR.....	61-02	25	2	2-34,82	35	1.8	14,053	3.45	485	8	66	-253	-.12	-26	-29
08-06-65 1237057 3361832 5-73					25		14,446	3.65	527						
1488968 JOLUOI LEADER DUKE.....		1	30	1-93	30	1.8	15,240	3.49	532	23	26	-385	+.03	-9	-19
10-19-65 1271075 486285D 5-73					177		16,971	3.39	575						
1488993 MYRVALE OIXIE OJSTER OARBY....	21-10	43	1	6-11,12,	45	1.8	15,679	3.44	539	11	73	+285	-.11	-6	+4
07-15-65 1223243 4916109 5-73				14,16,21	26		15,390	3.59	552						
1489000 LACHUT MILLBROOK COUNT.....		2	10	2-12,13	13	2.2	12,819	3.71	475	8	28	-260	+.03	-5	-12
12-09-65 1356097 4859190 5-73					15		13,686	3.60	493						
1489024 CENTER FIELD KELLEY BARON.....*		6	4	2-52,55	20	1.6	14,554	3.47	505	10	44	+44	-.08	-10	-7
08-19-65 1308796 5432989 5-73					25		14,461	3.67	530						
1489058 PAUL FARM JUDGE.....		4	5	1-32	13	2.0	14,181	3.31	470	18	34	-86	-.06	-11	-12
10-16-64 1438200 3720520 5-73					19		14,442	3.49	504						
1489089 ABERDALE STEWARTHAVEN NIFFTY..*		1	10	1-21	10	1.4	13,280	3.46	460	20	20	-30	.00	-1	-2
12-10-65 1382958 5423446 9-72					27		13,331	3.48	464						
1489113 CLAY HILL HEART RUSTY.....*		3	4	2-35,52	10	1.1	16,598	3.66	607	0	26	+310	-.03	+7	+15
09-17-65 1324959 4880139 1-73					16		15,496	3.78	586						
1489120 SHADYCREST RAINBOW COUNT.....*		1	11	1-41	11	2.0	16,222	3.62	588	9	22	+83	-.03	-1	+2
01-25-65 1256222 4524060 5-73					25		16,015	3.80	608						
1489124 WYLWOOD PRIDE REX.....		3	6	1-34	14	1.1	17,890	3.42	611	10	30	+499	-.04	+12	+25
10-20-65 1237057 4935959 5-73					12		16,430	3.51	577						
1489170 BOBIDEE JULES MAGISTRATE.....*		5	6	2-86,93	16	2.1	17,558	3.57	626	6	39	-89	-.01	-4	-6
04-20-65 1126307 4604007 5-73					45		18,168	3.59	652						
1489188 HENKET APOLLO.....*		5	7	4-23,31,	14	1.9	15,668	4.00	627	8	31	+89	+.06	+12	+13
12-05-65 1339824 3999431 5-73				42,51	26		15,487	3.85	596						
1489191 SPY ROCK VALOR GRANDIER.....*	21-10	43	1	6-11,13,	44	1.9	14,401	3.60	518	15	74	-585	+.01	-20	-34
12-19-65 1277619 5624808 5-73				14,16,21	24		15,287	3.60	550						
1489204 SKOKIE HANNIBAL.....*	33-03	27	2	12-23,35,	32	1.3	13,382	3.90	522	10	62	-782	+.19	-3	-26
06-04-65 1427381 4364737 5-73				52,55,73	18		14,675	3.60	529						
1489211 ABBODALE MASTER JOHNSTON.....*		1	14	1-21	14	1.8	11,855	3.94	467	0	23	-272	+.03	-6	-13
08-20-65 1433287 5346005 5-73					22		12,923	3.83	495						
1489213 AVONCREST CLYDE LUCIFER.....		2	13	1-34	17	1.4	15,682	3.62	567	**	25	+265	+.01	+11	+17
11-03-65 1290152 4992201 5-73					30		14,653	3.58	525						
1489220 WYSS HOMESTEAD IVANHOE TAILOR.*	35-05	50	3	5-33,35,	105	1.6	14,907	3.56	531	17	83	+21	-.12	-17	-13
02-03-65 1189670 3982874 5-73				41,65,91	21		14,936	3.72	556						
1489230 LEWTAH GYPSY REGIUS CROSS.....*		3	8	2-87,91	16	1.7	16,102	3.76	606	21	32	-93	+.02	0	-3
09-02-65 1439051 4447952 5-73					14		16,617	3.71	617						
1489245 E-Z ACRES ERASEA PERMIT.....	21-10	31	1	6-11,12,	32	1.8	15,492	3.54	549	18	67	-202	-.01	-8	-13
09-02-65 1307195 5700104 5-73				13,14,21	25		15,954	3.56	568						
1489269 LILVERN INKA MINA ANOY.....		2	16	2-35,41	18	1.8	14,156	3.83	542	6	25	+162	.00	+6	+10
09-10-65 1453730 6065713 5-73					4		13,420	3.86	518						
1489354 CHARJOY HELEN LU HOWHI.....		2	7	1-21	12	1.4	16,630	3.55	591	**	27	+3	.00	0	0
07-13-65 1272013 5039055 5-73					14		16,866	3.56	600						
1489359 ELLENVALE MASTER R A-TWIN.....		1	26	1-41	26	2.0	13,884	3.71	515	4	26	+182	-.03	+2	+7
07-17-65 1435835 4571997 5-73					12		13,058	3.86	504						
1489369 PAWNEE FARM REFLECTION ARTIST.	35-05	65	2	5-33,35,	96	1.4	14,333	3.82	547	8	82	-436	+.11	-1	-14
03-29-65 1322381 3922839 5-73				41,42,84	18		14,916	3.71	553						
1489372 AUDETS OASAN OARIUS.....*		6	4	2-13,21	14	1.9	18,986	3.44	653	0	37	+698	-.10	+10	+29
10-15-65 1223243 5545320 5-73					25		17,423	3.66	638						
1489399 YPPARILA VAR JOEY.....*		3	5	1-46	14	1.4	16,726	3.21	537	9	33	+481	-.09	+4	+18
02-05-65 1244009 4831165 5-73					20		15,374	3.41	525						
1489407 SANMARGALE ROBURKE HOPE.....		2	10	1-31	12	2.5	13,012	3.78	492	8	26	-103	+.05	+4	0
02-13-65 1035164 4428701 5-73					13		13,299	3.56	474						
1489409 SANMARGALE CAPTAIN MASTER.....*		1	24	1-31	24	1.1	13,419	3.61	484	17	22	-295	+.01	-9	-16
12-23-64 1144239 5317132 5-73					85		14,798	3.58	530						
1489412 HARBORCREST ROYAL LAD.....*		1	20	1-23	20	1.6	16,333	3.64	595	11	24	+217	-.02	+5	+11
09-05-65 1442796 4141506 5-73					19		15,525	3.73	579						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS	REC/DAU HM/DAU	MILK HEROMATE	% MILK	FAT %	1ST LACT FAT	REPT INC	%	PREDICTED DIFFERENCES MILK	%	FAT	$$
1489445 ALTHRO JUDY OUNLOGGIN LIONEL..*		4	4	2-12,13	12	1.2	13,625	3.76	512	8	30	-95	+.02	0	-3
08-17-65 1285951 5789274 5-73					25		13,891	3.71	516						
1489449 JIND ADMIRAL MIKE BENNY.....*		1	11	1-93	11	1.8	17,021	3.72	633	0	22	+88	.00	+3	+5
07-19-65 1450558 5779592 5-73					62		16,866	3.74	631						
1489460 OELI LYLE WINNER.....	61-02	116	2	8-31,33,	179	1.9	14,796	3.72	550	13	90	-79	+.05	+4	+1
08-01-65 1315578 5362035 5-73				61,74,84	25		14,939	3.67	548						
1489473 ORIOLE HOME MELODY GUAROIAN...	35-75	31	2	13-32,33,	40	1.6	15,279	3.76	574	24	69	-215	+.09	+5	-2
09-23-65 957873 5097929 5-73				34,35,93	49		15,728	3.64	572						
1489478 N-E-D ORMSBY JOE.....*		4	3	2-71,73	11	1.2	14,666	3.42	501	50	30	+10	-.02	-2	-1
08-19-65 1216668 5219744 9-72					20		14,660	3.48	510						
1489511 GEM-IDA CJPIO HOMESTEAD JOE...	35-75	20	2	10-21,35,	26	1.6	15,788	3.59	566	9	59	-332	+.04	-6	-15
12-14-65 1136334 4154932 5-73				42,55,93	56		16,576	3.53	585						
1489516 SUEDAVE K 8 O P BELLE.....	35-75	27	1	10-23,35,	31	2.0	16,463	3.58	590	7	66	+487	-.02	+14	+26
10-18-65 842876 4856710 5-73				41,84,93	34		15,872	3.62	574						
1489527 SNOWFIELD NANCY GEORGE.....		3	6	1-11	12	1.4	14,706	3.64	536	9	28	+44	-.01	0	+1
12-26-65 1452272 5084375 5-73					13		14,564	3.73	543						
1489552 LILY POND REFLECTION RADAR....*		9	22	7-13,34,	39	1.2	14,964	3.54	529	16	34	+82	-.03	-2	+1
01-02-66 010283103 6051503 5-73				41,43,52	404		14,755	3.65	539						
1489556 OAMOUR CRISSCROSS ECHO.....		1	33	1-42	33	1.1	13,587	4.03	547	13	23	-18	+.07	+10	+8
12-05-65 1378594 4845272 5-73					28		13,591	3.69	502						
1489562 MELODAY PIONEER OLIVER.....*		1	13	1-35	13	1.9	14,382	3.53	507	0	23	-101	.00	-4	-6
11-12-65 1397209 4853444 5-73					20		14,878	3.56	529						
1489563 CEDARDALE SHAMROCK PERCY.....*		4	36	1-13	42	2.0	16,107	3.43	552	9	30	+111	-.05	-3	+1
05-15-64 010260599 3668847 5-73					35		15,882	3.60	572						
1489575 ABER CHIEF COMMANDER.....		1	11	1-46	11	2.2	12,747	3.47	442	0	23	+101	-.02	+1	+4
01-02-66 1459996 4317492 5-73					18		12,070	3.55	429						
1489600 LADI-CORR WALKER IDEAL.....*		2	9	2-35,72	11	2.0	14,031	3.71	521	10	24	-241	.00	-9	-15
01-20-65 1190151 4012918 5-73					12		15,123	3.75	567						
1489603 CLOVER VIEW WIS PETER.....*		1	17	1-35	17	1.9	13,605	3.36	457	18	24	-85	-.08	-15	-15
09-10-65 1452599 4179111 5-73					16		13,914	3.77	525						
1489631 PARKMONT SKYCROSS FOBES.....*		1	11	1-23	11	1.9	16,297	3.68	599	9	22	+56	+.01	+4	+5
09-26-65 1441148 5461505 5-73					36		16,223	3.61	586						
1489657 ELMOKA REFLECTION JOE.....*	23-13	57	1	2-22,23	64	1.8	14,911	3.76	561	7	79	+175	+.03	+11	+14
09-15-65 1347065 4176330 5-73					24		14,723	3.74	550						
1489693 PHIL-TON FEMCO SEGIS LEADER...*		2	9	1-41	11	1.9	18,133	3.54	642	9	24	+232	-.02	+5	+11
09-20-65 1411971 4684952 5-73					10		17,468	3.61	631						
1489710 STERK KATE BARON.....*	31-02	4	9	1-93	21	1.6	21,007	3.47	729	7	37	+646	-.07	+13	+30
09-20-65 1339836 4400261 5-73					120		19,803	3.61	714						
1489719 PINEHURST ADMIRAL MARK.....*		1	10	1-35	10	1.3	13,652	3.68	503	13	19	-220	+.01	-6	-12
12-30-65 1222994 3759073 1-73					15		14,855	3.66	543						
1489730 WIS CALYPSO LAD JOE.....*		1	23	1-35	23	1.4	9,943	3.47	345	41	23	-476	+.01	-16	-28
12-06-65 1448554 5016456 5-73					29		11,734	3.49	409						
1489732 WIS PIONEER LAD JACK.....*		4	9	2-35,42	21	1.6	16,956	3.67	623	10	36	+229	-.05	+1	+8
10-11-65 1292880 3612216 5-73					26		16,536	3.81	630						
1489735 WIS MAYERS DEFENDER JIM.....*		1	14	1-35	14	1.4	12,285	3.83	471	0	21	+6	+.03	+5	+4
10-29-65 1435884 5384352 1-73					19		12,018	3.64	437						
1489748 MUELLER PINEY SALMON.....*		5	5	2-41,43	16	1.5	14,978	3.51	525	13	37	-179	.00	-7	-11
08-31-65 1383004 5248640 5-73					13		15,591	3.53	550						
1489763 STERK MARQUIS WESTERNER.....	91-13	22	4	5-23,82,	46	1.5	14,995	3.55	532	17	65	-480	-.06	-25	-35
08-17-65 1459996 5267540 5-73				91,92,93	60		15,882	3.64	578						
1489772 RICHARDSVALE WHITEY J RANGER..*		8	10	1-21	26	1.4	16,339	3.29	538	26	39	+465	-.10	+2	+16
05-23-64 1303179 4726300 5-73					24		15,223	3.51	535						
1489773 JERGENS HARBOR BERRY.....*		3	10	1-41	21	1.6	14,683	3.80	558	41	34	+76	+.04	+8	+9
08-25-65 1436271 5904917 5-73					23		14,463	3.71	536						
1489780 WAL-DORIS MARQUIS SENATOR.....*		2	9	1-35	12	2.4	14,889	3.56	530	0	28	-264	+.01	-8	-15
09-13-65 1459996 4580553 5-73					11		15,989	3.55	567						
1489786 MEMORIAL-ACRES SKYLINER EXCEL.		3	10	1-87	15	2.3	15,269	3.65	557	0	31	+105	+.02	+6	+8
01-28-65 1244845 4754224 5-73					30		14,987	3.59	538						
1489798 HEITZEG SUPREME SAMSON.....		1	15	1-41	15	1.7	13,426	3.52	472	33	23	-185	+.01	-5	-10
09-01-65 1304384 4765170 5-73					10		14,237	3.48	496						
1489801 HEITZEG CREATOR COREY.....		1	17	1-42	17	1.9	14,055	3.71	521	6	24	-17	+.03	+4	+3
11-06-65 1455142 5997040 5-73					13		14,099	3.58	505						
1489802 BER-CRE-FARM FLYING CLOUD.....	31-07	21	1	2-34,48	26	1.6	16,630	3.57	594	17	60	+769	-.03	+23	+42
10-28-65 1397517 5033370 5-73					25		15,445	3.63	560						
1489812 KANAWAKA TRIUNE GLAMOUR BOY...	48-01	151	5	4-34,47,	394	1.6	15,246	3.48	531	15	94	+357	-.09	0	+11
07-17-65 1282185 4601836 5-73				48,73	23		14,917	3.57	532						
1489818 HIGHER VIEW SENATOR REVUE.....		4	16	1-48	30	1.6	12,824	3.60	462	31	35	-251	+.02	-6	-13
02-01-65 1252985 5149874 5-73					8		13,446	3.56	479						
1489837 U NEVADA BURKE ABE NICK.....		2	22	1-93	24	1.9	17,146	3.48	596	0	27	+254	-.06	0	+8
09-16-65 1329981 4479910 5-73					21		16,410	3.71	608						
1489846 KRET-MAR GRAPHIC IDEAL.....*		1	10	1-34	10	2.4	17,425	3.39	591	0	23	+185	-.07	-4	+2
07-29-65 1320015 4869884 5-73					16		16,873	3.69	623						
1489858 TOBEY HILL ADMIRAL IVAN.....*		4	9	1-14	16	2.0	13,067	3.86	505	13	32	-703	+.04	-20	-38
11-09-65 1436308 5434465 5-73					27		15,379	3.76	578						
1489872 YOUNGLAWN G PETE.....*		1	12	1-21	12	1.4	17,219	3.39	584	25	21	+91	-.06	-6	-2
11-28-65 1278644 5533309 5-73					11		17,040	3.70	631						
1489878 DANIELLE FARM M PRINCE.....*		2	10	1-23	13	1.8	14,657	3.47	508	15	26	-291	-.02	-14	-20
09-24-65 1459996 4450010 5-73					12		15,943	3.58	570						
1489902 STELMO S S K CITATION 808.....*		1	12	1-43	12	1.3	16,719	3.36	561	13	20	+326	-.03	+7	+16
10-10-65 1418738 4863663 5-73					49		15,148	3.47	526						
1489933 OWEN RAG APPLE MARQUIS.....*		3	12	3-31,33,	17	1.7	14,752	3.59	529	21	28	-134	-.02	-7	-10
09-06-65 1459996 5744265 5-73				85	114		15,325	3.67	562						
1489939 BRONSTON PERSEUS SKYLINER.....*		1	17	1-73	17	1.0	16,275	3.22	524	36	20	+493	-.05	+11	+24
01-03-66 1451071 5593492 5-73					27		13,774	3.37	464						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES WD- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS HM/DAU	REC/DAU HEROMATE	MILK	%	FAT	% IST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1489942 SEMRADS REFLECTION MARK.....*		2	13	1-73	15	1.5	14,068	3.77	531	17	24	-284	+.01	-9	-16
10-29-65 1459996 5613597 5-73					12		15,370	3.76	578						
1489952 WAUPUN MOOSEHEART CRESCENT....*		9	9	5-35,42,	27	1.4	14,211	3.83	544	8	41	+167	+.02	+9	+12
C7-01-65 1292880 4755513 5-73				43,63,72	29		13,734	3.81	523						
1489956 BRUNNERS LEADER KING.....*		1	13	1-35	13	1.6	14,126	3.47	490	31	22	-279	-.04	-16	-22
11-07-65 1397054 4771820 5-73					30		15,522	3.68	571						
1489969 CIRCLE-LAWN SEVENS MAPLE.....		3	9	1-21	14	1.7	13,254	3.44	456	0	28	-50	+.01	-1	-2
09-17-65 1239242 5671235 5-73					28		13,329	3.44	458						
1489977 B Y U ROCKET LADDIE.....*		2	13	1-87	15	1.5	12,916	3.64	470	29	24	-541	+.04	-14	-28
C7-27-65 010252803 5042959 5-73					101		15,295	3.51	537						
1489981 PENSTATE STAR DUST.....*	33-03	247	5	34-21,23,	449	1.1	15,757	3.83	604	15	94	+436	+.20	+45	+50
C8-11-65 1410984 4657849 5-73				31,35,43	31		15,392	3.64	560						
1489988 WOODSIDE FARM DAGAN BELL.....*		2	7	1-21	12	1.8	17,076	3.31	566	11	29	+240	-.06	0	+7
08-21-65 1223243 5172563 5-73					51		16,450	3.48	572						
1489993 ROCKY-SIDE STAR.....*		7	9	1-23	31	1.9	17,578	3.78	665	7	47	+624	+.06	+31	+44
C6-14-65 1439511 5753321 5-73					20		16,444	3.70	608						
1490015 WINDY MONT GENIE REFLECTION...*		12	2	7-11,12,	16	1.3	14,635	3.59	525	25	45	-343	.00	-13	-21
C7-26-65 1459996 5954496 1-73				13,14,21	25		15,518	3.62	561						
1490016 BARRETT RANCH MODEL.....*		5	5	1-12	17	1.4	14,992	3.68	551	20	39	+19	+.03	+5	+5
08-28-65 1254887 5091300 5-73					33		15,603	3.59	539						
1490022 POQUNQUE PAP.....*		4	7	1-21	13	1.5	16,180	3.80	615	0	29	-11	+.03	+4	+3
09-13-65 1315612 4228764 1-73					20		16,423	3.73	612						
1490063 BAILAND MADCAP MAGIC DAN.....*		1	18	1-91	18	1.8	14,579	3.46	505	6	25	-248	-.01	-11	-17
C8-11-65 1297472 5108491 5-73					62		15,731	3.55	558						
1490064 LITTLE RANCHE MARQUIS IVAN....*		4	7	1-61	13	1.4	14,185	3.35	475	33	28	-379	-.03	-18	-26
12-07-65 1459996 5459678 5-73					37		15,649	3.47	543						
1490066 LAURIEACRES ROYAL CHIEF.....		1	17	1-34	17	1.6	14,008	3.61	505	19	23	-213	+.04	-2	-8
C2-23-65 1397752 4269005 5-73					11		15,003	3.45	518						
1490072 OEJNA ADMIRAL OK.....*		1	25	1-42	25	1.1	13,669	3.09	422	11	22	-218	-.02	-11	-16
12-02-65 1237057 5086358 5-73					10		14,687	3.21	472						
1490083 RWJS REFLECTION PAT.....		4	5	1-93	20	1.4	17,021	3.48	593	22	41	-342	+.05	-6	-15
10-01-65 1347065 4201163 5-73					115		18,242	3.39	619						
1490113 MILLDALE JRMSBY ZEUS JIM-TWIN.		3	8	2-12,14	14	1.9	13,477	3.78	509	27	30	-227	+.02	-5	-11
C7-08-65 1401782 4278764 5-73					22		14,210	3.72	529						
1490129 BAITYVIEW FOND HOPE 808.....*		4	8	1-23	13	2.0	15,177	3.49	530	23	29	+124	-.04	-2	+2
08-09-65 1243097 4991734 5-73					25		14,791	3.66	541						
1490134 SHADEL ACHILLES.....*		1	10	1-35	10	1.8	16,403	4.06	666	0	21	-14	+.07	+10	+8
C8-01-65 1334052 5231223 5-73					24		16,705	3.76	628						
1490136 EARLYWAY CRISSCROSS.....*		3	17	1-73	22	1.5	14,155	3.55	502	5	27	-422	+.04	-9	-20
C4-29-65 1378594 5105638 5-73					12		15,845	3.42	542						
1490145 VALLA VISTA ACE LILAC.....		1	23	1-47	23	1.8	13,200	3.39	448	13	25	-1	-.04	-6	-5
11-10-65 1449357 5357778 5-73					8		13,078	3.61	472						
1490149 CENTURY CORNER SEARS EDDIE....*		1	15	1-21	15	1.2	14,548	3.33	485	0	21	-203	-.01	-9	-14
C9-19-65 1385978 5208799 5-73					25		15,663	3.43	537						
1490191 TARA-HILLS STYLIST.....*		7	4	3-16,21,	14	2.2	14,997	3.84	576	15	41	-58	+.08	+10	+6
C5-19-65 010241954 5849389 5-73				23	20		15,226	3.65	555						
1490193 TARA-HILLS DALE HOPE.....*		6	18	4-21,32,	33	1.5	17,232	3.43	591	0	35	+354	-.09	0	+11
10-17-65 010241954 5926559 5-73				34,93	49		16,414	3.67	602						
1490202 SHADY-LYNN POSCH WAYNE.....		1	32	1-63	32	2.3	15,056	3.56	536	5	28	+61	+.02	+5	+6
11-21-64 1292081 4832492 5-73					31		14,890	3.48	518						
1490212 CHANCE-ACRES KING.....*	35-21	1	13	1-51	13	2.5	18,343	3.52	646	8	24	+1,045	-.04	+32	+58
C7-13-65 1406271 5817817 5-73					17		14,006	3.67	514						
1490213 BO-GIN HI-Q SKY ZEUS.....		1	18	1-54	18	1.3	14,564	3.71	540	6	22	-142	+.04	+1	-3
12-03-65 1346850 4308990 5-73					35		15,317	3.51	537						
1490217 E-Z ACRES DAGAN J SEARS.....	31-07	1	18	1-21	18	1.4	19,488	3.54	689	0	22	+607	+.01	+23	+37
11-22-65 1223243 5266818 5-73					13		17,044	3.47	592						
1490221 HEDEGARD GALLANT IVAN.....		1	12	1-93	12	2.1	18,368	3.52	646	9	23	+239	.00	+9	+15
C7-12-65 1329588 5136038 5-73					85		17,661	3.48	615						
1490251 OATS FARM GALLANT CLOUD.....		1	15	1-41	15	1.1	12,899	3.59	463	**	20	-343	+.02	-9	-18
05-17-65 1397517 5431498 5-73					5		14,643	3.50	513						
1490259 KODI MARQUIS PREMIER.....		3	24	2-41,93	41	1.5	19,058	3.41	649	10	35	+408	-.02	+12	+22
C8-01-65 1459996 4968572 5-73					139		18,266	3.43	626						
1490276 DIAMOND S NOEL KIM.....	35-75	29	2	10-21,35,	39	1.7	14,874	3.55	528	27	68	-509	.00	-19	-31
10-19-65 1315498 3676108 5-73				41,55,93	35		15,757	3.56	561						
1490278 MER-STEIN TIM PIONEER.....*		2	13	1-34	15	1.9	11,916	3.84	458	**	25	-94	+.04	+2	-1
C1-28-65 1292880 5309656 5-73					33		12,067	3.67	443						
1490281 TRJ-POL COUNT MOOSEHEART BEL..		1	10	1-41	10	2.0	14,491	3.48	504	30	21	-12	.00	-1	-1
10-09-65 1417208 5231544 1-73					37		14,568	3.51	512						
1490299 JERGENS FOND BURKE.....*		3	8	2-41,46	11	2.0	13,085	3.74	489	20	27	-426	+.03	-11	-22
C7-22-65 1243697 5131174 5-73					15		14,717	3.64	536						
1490306 BLACKMOUNT BARON ROBERT.....*		3	7	2-12,13	16	1.9	15,959	3.48	556	0	35	-57	-.06	-10	-10
09-27-65 1308796 5209430 5-73					30		16,318	3.65	595						
1490307 CANTON-PRIDE FANNY MORGAN.....	21-10	42	1	6-11,13,	45	1.7	15,696	3.78	594	20	73	+72	+.14	+23	+21
11-09-65 1235822 5074656 5-73				14,16,21	26		15,732	3.61	568						
1490328 SMITH-LANE SKOKIE CHRIS.....		1	10	1-32	10	1.9	16,404	4.10	672	20	21	+346	+.02	+16	+24
12-16-65 1199324 5446613 5-73					45		14,832	4.08	605						
1490366 SHANGHIGH DIANS IVANHOE.....*		5	11	1-31	25	1.8	17,008	3.78	643	4	38	+164	+.05	+13	+16
11-03-65 1418927 4962006 5-73					16		16,823	3.67	618						
1490368 SKYWAY ECHO LUCKY.....*		2	28	1-41	53	1.3	13,488	3.35	452	28	37	-343	-.04	-18	-25
12-06-65 1431989 4597344 5-73					14		14,429	3.47	501						
1490369 SWARLEA EMPHASIS EMPEROR.....*		4	7	3-23,32,	19	1.4	11,610	3.58	416	30	37	-315	+.02	-9	-17
C9-10-65 1445747 5729900 5-73				54	52		12,254	3.56	436						
1490375 LAZY-O MASTER FALCON.....*		2	16	1-35	18	1.5	14,162	3.56	504	17	25	+80	-.03	-2	+1
10-12-65 1457368 5650703 5-73					10		13,774	3.73	514						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES AND- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS HM/DAU	REC/DAU HERDMATE	MILK	%	FAT	% 1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1490390 BRIGEEN MODEL KING.....*		4	7	3-11,13,	23	1.6	15,611	3.50	546	5	42	+30	-.04	-4	-2
12-18-65 1466939 6034852 5-73				21	33		15,667	3.59	562						
1490392 REIFF FARM PRIDE GEORGE.....		1	12	1-32	12	1.9	11,849	3.54	419	9	23	-164	+.01	-5	-9
12-04-65 1237057 4822188 1-73					9		12,378	3.55	439						
1490427 MDN CHER PRIDE SMOKEY.....		1	54	1-42	54	1.5	12,488	3.96	494	0	26	-98	+.03	+1	-2
11-27-65 1352968 5364566 5-73					18		12,703	3.83	487						
1490451 HOMESTEAD FARM MAPLE ECHO.....*	33-03	8	2	4-14,16,	12	1.4	12,597	3.46	436	30	37	-1,017	-.06	-45	-68
11-21-65 1459996 5617835 1-73				21,31	26		15,453	3.65	564						
1490466 DDJIMAR HARBORCREST BURKE.....*		2	9	1-31	16	1.8	14,801	4.00	592	19	32	-530	+.15	+2	-14
06-01-65 1406271 5433407 5-73					24		16,697	3.56	594						
1490487 RICHARD FARM IVANHOE SUPREME..*		1	11	1-23	11	1.7	15,501	3.86	599	9	21	-11	.00	0	0
12-24-65 1414261 5660984 5-73					25		15,687	3.89	610						
1490488 ELLENVALE REFLECTION MARK.....*		3	5	1-41	10	1.7	14,967	3.79	567	0	27	+27	.00	+1	+2
08-08-65 1459996 4846810 5-73					9		14,917	3.81	568						
1490501 TYLER FARMS PERSEUS.....*		11	6	3-11,12,	29	1.7	15,793	3.75	592	20	51	+294	+.05	+18	+24
07-13-65 010260599 5868900 5-73				13	26		15,311	3.67	562						
1490519 RIVER INN SEILING ROCKET.....	93-17	1	16	1-93	16	1.2	16,857	3.83	646	0	21	+110	-.01	+2	+5
10-12-65 1435095 5546038 5-73					31		16,544	3.93	651						
1490520 SPRING STREAM X X PILOT.....*		1	17	1-21	17	1.2	9,693	3.82	370	**	21	-443	+.01	-14	-25
07-25-65 1378594 5274327 5-73					35		11,510	3.74	430						
1490531 MOUND FARM LEADER NORMAN.....		1	21	1-35	21	1.0	12,260	3.85	472	14	21	+137	+.01	+7	+10
10-31-65 1333641 5635659 1-73					2		11,297	3.80	429						
1490539 E-Z ACRES OAGAN MASTER.....		2	8	1-55	11	1.8	17,615	3.30	581	9	26	+370	-.06	+5	+15
09-20-65 1223243 4993185 5-73					25		16,378	3.46	567						
1490547 KEWOC GALLANT.....*		3	6	1-35	12	2.1	14,988	3.61	541	10	31	+125	-.02	+1	+5
02-16-64 1329588 4681860 5-73					32		14,604	3.69	539						
1490554 GGG ADMIRAL MAJESTY OUKE.....*		2	23	1-42	25	1.6	14,647	3.45	505	6	26	+62	-.02	0	+2
11-06-65 1419205 5558468 5-73					11		14,408	3.50	504						
1490580		1	12	1-41	12	1.3	12,489	3.23	403	**	20	-255	-.05	-16	-21
5-73					5		13,686	3.51	481						
1490584 BURLESON ADMIRAL MADCAP.....*		1	33	1-55	33	2.2	17,335	3.29	571	13	28	+498	-.05	+11	+24
11-09-64 1237057 5633865 5-73					18		15,648	3.40	532						
1490586 .....*		5	4	2-43,73	14	1.4	16,623	3.42	569	23	35	+362	-.03	+8	+18
5-73					19		15,725	3.48	548						
1490605 KENDON MARQUIS REX.....,.....		1	16	1-41	16	1.8	14,209	3.60	512	13	23	-436	+.03	-12	-23
07-01-65 1459996 6030680 5-73					5		16,300	3.52	573						
1490607 SHER-MAR CRISSCROSS MINGO.....*		6	12	3-13,21,	25	1.4	16,054	3.61	580	17	35	-104	+.01	-2	-5
03-01-65 1378594 4883747 5-73				86	28		16,576	3.61	598						
1490608 SHER-MAR SENATOR.....*		7	7	1-21	17	1.4	18,384	3.46	637	0	33	+668	.00	+24	+40
12-05-65 1252985 5843562 9-72					15		16,550	3.44	570						
1490616 ELMASTER DUKE MARK LINSTEIN...		2	8	1-52	15	1.6	19,086	3.32	633	15	31	+729	-.08	+14	+34
12-20-65 1222994 4004672 1-73					17		17,027	3.51	597						
1490633 CASH-MAR OVATION TEXAL.....*		6	6	2-32,72	18	2.3	12,935	3.37	436	13	42	-495	-.09	-31	-40
11-30-64 1422217 5936497 5-73					26		14,083	3.63	511						
1490669 STERK LONDON RAVEN.....	93-18	3	17	1-93	22	1.6	17,759	3.51	623	18	28	-218	.00	-8	-13
10-28-65 1406551 5315695 5-73					214		19,000	3.53	671						
1490670 STERK GOLDEN ROYAL.....		1	46	1-93	46	1.4	18,625	3.40	633	2	25	+121	-.01	+3	+6
11-26-65 1215448 5404443 5-73					143		18,558	3.41	633						
1490672 EHR-DALE IVAN POGO.....*		1	21	1-21	21	1.7	14,810	3.81	564	35	24	+114	+.02	+7	+9
01-03-65 1403693 5397908 5-73					37		14,330	3.74	536						
1490698 JAN-LIN ACERS ROYAL SUPREME...*		1	12	1-34	12	1.7	13,319	3.51	468	38	22	-159	-.02	-8	-11
03-02-65 1397752 4554780 5-73					42		14,022	3.64	511						
1490704 ROSELEDGE CONQUEROR SKOKIE....*		2	8	1-11	12	1.0	14,463	3.45	499	20	23	+236	-.04	+2	+9
11-09-65 1282185 4769222 5-73					28		13,348	3.64	486						
1490773 GORLIN ROCKET PEDRO.....*		1	16	1-56	16	1.3	14,163	3.38	479	0	21	-380	+.03	-10	-20
11-08-65 010252803 4316297 5-73					36		16,134	3.29	531						
1490784 CHANGEABLE UNA PAUL.....*		2	13	2-51,54	15	1.5	14,922	3.68	549	27	24	-32	+.01	0	-1
11-20-65 1415772 5427258 5-73					32		15,135	3.69	558						
1490791 E-RICKS DIAMOND RICHY.....*		2	13	1-23	15	1.3	15,976	3.66	585	33	23	+9	.00	0	0
08-08-65 1181572 4557442 1-73					20		16,107	3.66	590						
1490794 CROCKER GOLDEN REFLECTION.....*	23-13	6	19	3-22,31,	31	1.6	17,795	3.69	657	0	34	+739	.00	+26	+44
11-03-65 1459996 3512964 5-73				84	54		15,730	3.73	586						
1490797 WHITE HEIGHTS MONOG SENSATION.*		6	20	3-32,33,	31	1.9	12,972	3.18	413	7	33	-116	-.08	-16	-17
02-28-64 1394041 3213578 5-73				61	54		13,207	3.48	459						
1490813 HYCLEO COUNT TIDY PRIDE.....*		1	13	1-48	13	2.1	12,958	3.94	511	0	23	-237	+.05	-2	-9
04-26-65 1150469 5127734 5-73					23		13,930	3.78	526						
1490823 HOLSTEIN-HAVEN JO DYNAMITE DAN*		1	16	1-35	16	1.8	16,589	3.76	624	6	24	-67	+.02	+1	-1
10-16-65 1343798 5098850 5-73					12		17,151	3.68	631						
1490825 HILL VILLA ORMSBY SENATOR.....*		2	9	1-21	16	1.8	16,265	3.35	545	6	32	+456	-.05	+9	+21
03-08-65 1252985 5061314 5-73					16		14,904	3.48	518						
1490864 HILLMAC MASTER DARKIE.....*	21-10	34	1	6-12,13,	36	2.0	16,256	3.55	577	7	70	+509	-.04	+13	+26
02-24-65 010259958 011550909 5-73				14,16,21	23		15,649	3.60	563						
1490919 SKYLANDER GRAY VIEW BURKE.....*		2	7	1-23	10	1.0	12,675	3.56	451	0	21	-302	+.01	-10	-17
11-26-65 1419629 5509936 1-73					22		14,074	3.57	502						
1490927 ROCK RIVER ROYALIST.....*		7	2	5-14,21,	10	1.0	13,666	3.53	483	0	31	-153	-.01	-7	-10
02-09-66 1255166 5251828 5-73				22,32,42	27		14,139	3.58	506						
1490929 KEMLANE LANCER OUKE.....*		1	10	1-35	10	1.8	15,367	3.53	542	0	21	+451	+.02	+19	+29
08-09-65 1288610 5339178 5-73					20		13,123	3.39	445						
1490938 UNH MAGISTRATE MUSKETEER.....*		2	10	2-11,12	12	1.8	12,793	3.69	472	9	24	-408	+.02	-12	-22
12-18-65 1126307 5406627 5-73					16		14,527	3.63	527						
1490950 ELLINGDALE M V ECHO.....	41-01	66	1	6-34,41,	76	1.8	14,825	3.62	536	15	82	+2	.00	0	0
02-28-65 1242338 4275784 5-73				45,46,84	18		14,871	3.62	538						
1490961 NOWISCO GATES MASTER.....*		1	16	1-35	16	1.8	15,496	3.56	551	7	24	-62	+.02	0	-2
12-04-65 1432844 5084459 5-73					33		15,915	3.49	556						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS HM/DAU	REC/DAU HERDMATE	MILK MILK	% %	FAT FAT	% 1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1490991 GRAYSLAKE INKA BOY.....	35-75	25	2	13-21,55,	33	1.6	17,641	3.46	589	9	65	+459	-.10	+2	+16
C1-22-65 1282185 4600904 5-73				82,91,93	81		16,547	3.58	593						
1491000 ROL-BET A IVANHJE BURKGOV JIM.	35-75	35	1	11-21,31,	44	1.8	17,732	3.50	620	14	72	+1,350	-.06	+40	+74
12-01-65 1189870 5700842 5-73				35,55,93	50		16,017	3.55	569						
1491004 KALJOA FOND HOPE PUD.....*		1	13	1-33	13	1.2	14,514	3.86	560	17	20	-168	+.01	-4	-8
C9-17-65 1243697 5324411 5-73					25		15,456	3.83	592						
1491006 ROUND OAK SUNSHINE JED.....*		2	19	1-52	21	1.4	16,126	3.91	630	19	24	+91	+.05	+10	+11
C8-15-65 1406271 5319995 5-73					28		15,906	3.75	597						
1491007 ROUND OAK RAG APPLE ELEVATION.	31-07	248	4	10-21,51,	602	1.3	16,232	3.60	584	8	96	+1,221	+.01	+46	+75
C8-30-65 1271810 5749758 5-73				52,54,55	30		15,019	3.58	538						
1491008 ROUND OAK BARON EMPIRE.....*		4	12	1-52	21	1.5	13,340	3.69	492	**	32	-191	-.02	-10	-14
C2-24-65 1308796 5492746 5-73					13		13,889	3.80	528						
1491012 ROUND OAK EX LANCER.....		1	35	1-52	35	1.9	14,903	3.58	534	3	27	+113	-.01	+2	+5
C1-21-65 1400615 5284574 5-73					9		14,493	3.64	528						
1491024 TOTERA VIEWLINER.....*		4	6	2-52,54	19	1.4	11,811	3.89	460	5	37	-561	+.05	-14	-28
11-11-65 1244845 4493879 1-73					23		13,202	3.76	497						
1491045 RIPVALLEY CREATOR OUKE.....		1	21	1-35	21	1.6	13,138	3.65	479	7	24	-287	.00	-10	-17
02-16-65 1449587 5304601 5-73					26		14,355	3.65	524						
1491046 NOJKREST TONY SULTAN.....*		4	5	1-81	11	1.6	14,783	3.52	521	10	30	-129	-.04	-10	-12
C1-21-66 1295523 5159933 5-73					26		15,315	3.68	564						
1491061 WALHOWOON LESEYLA NUGGET.....*		13	7	2-11,13	34	1.8	16,172	3.80	615	7	52	+345	+.08	+24	+30
09-03-65 1418803 5535752 5-73					18		15,637	3.67	574						
1491062 WALHOWOON REWARD VISTA.....*		6	2	3-11,12,	10	1.7	16,551	3.52	582	0	33	+673	-.06	+15	+33
C9-20-65 1259391 5567978 1-73				16	32		14,552	3.70	539						
1491067 FERNCOL OLAN OLAF.....		2	8	1-14	10	1.3	12,785	3.79	484	33	21	-334	+.02	-9	-18
12-05-65 1280615 5102352 1-73					49		14,380	3.70	532						
1491082 A F VIV CRISS X CRUSADER.....*		5	7	3-33,35,	13	1.2	12,473	3.80	474	36	27	-84	+.02	0	-3
08-11-65 1424150 4291723 5-73				41	9		12,605	3.70	467						
1491088 WHITTIER-FARMS GLAMOUR HARRY..*	21-10	60	1	8-11,13,	65	1.8	15,804	3.64	575	9	80	+128	+.02	+8	+10
11-19-65 1282185 4724353 5-73				14,16,21	28		15,782	3.61	570						
1491092 OOYLE VALLEY GLADIATOR-TWIN...*		3	5	1-48	10	1.9	15,823	3.74	591	0	29	+247	+.01	+10	+16
12-20-65 1324328 5482924 5-73					4		15,026	3.73	561						
1491098 LEVEL VALLEY CRISSCROSS TIM...*		1	11	1-23	11	1.9	14,150	3.46	490	18	22	+373	-.06	+5	+15
03-04-65 1378594 6019137 5-73					51		12,255	3.75	460						
1491107 SHADOW WOOD OEBONAIR.....*		4	11	2-52,55	26	1.7	16,897	3.21	543	19	39	+291	-.09	-2	+7
11-07-65 1459996 5669234 5-73					26		16,346	3.40	555						
1491115 LANGOLA ROBARON IRA.....*		1	19	1-41	19	1.2	14,365	3.52	506	0	22	+423	.00	+15	+25
01-22-66 1427251 4199000 5-73					19		12,177	3.50	426						
1491130 PACLAMAR TIDY THOR.....*		2	14	2-46,84	19	1.7	16,663	3.44	573	11	28	+517	-.04	+12	+26
11-04-65 1438285 4246047 5-73					15		14,887	3.57	532						
1491131 PACLAMAR EMBLEM.....	31-02	31	4	5-31,43,	49	1.3	14,972	3.45	517	21	65	-88	-.05	-11	-12
11-26-65 1417390 5956260 5-73				56,57,84	25		15,190	3.54	537						
1491133 PACLAMAR R B I PRODUCER.....*	35-03	53	3	7-33,34,	83	1.6	15,152	3.76	570	10	80	-27	+.02	+2	+1
11-17-65 1113350 4204563 5-73				35,42,52	41		15,275	3.75	573						
1491142 STAROELL CRUSADER MILKY WAY...*		12	4	2-42,93	24	1.0	17,829	3.63	647	35	46	+99	-.02	0	+3
09-14-65 1179373 5948785 5-73					19		17,972	3.69	664						
1491146 IDEOGRAPH KENNEDY FOBES.....*		2	18	1-93	20	1.2	15,796	3.49	552	6	23	+190	-.01	+6	+11
01-04-66 1389471 4007947 5-73					26		15,040	3.49	525						
1491160 OORD ADMIRATION.....*		2	9	1-93	14	1.4	17,518	3.72	651	7	26	+107	.00	+4	+7
10-04-65 1237057 3764739 5-73					57		17,411	3.73	649						
1491209 GLENVUE PINEYHILL SLALOM.....*		2	20	1-93	22	2.0	17,833	3.37	601	10	27	+341	-.04	+6	+15
04-07-64 010263781 6011365 5-73					70		16,822	3.48	586						
1491214 BLUE-KNOLL TY VIC KING.....*		1	12	1-23	12	2.0	14,641	3.85	564	17	23	-191	+.03	-2	-7
C4-17-65 1444314 5509860 5-73					21		15,611	3.75	586						
1491220 HOME-LINK IMPERIAL ABBEKERK...		1	18	1-35	18	1.7	17,544	3.22	565	6	24	+566	-.06	+12	+27
12-02-65 1242221 4536527 5-73					10		15,253	3.38	516						
1491231 HY-VU MONTVIC SUNSHINE.....*		4	4	1-31	10	1.5	14,525	3.75	545	11	28	-268	+.05	-2	-10
01-17-66 1406271 4621076 1-73					29		15,595	3.58	559						
1491259 OEAN KORNJYKE RAG APPLE SPICE.		1	14	1-21	14	1.9	12,912	3.55	458	38	23	-298	+.01	-9	-16
08-04-65 1240125 5434328 1-73					92		14,211	3.51	499						
1491298 CRESCENT BEAUTY INFINITY.....*		14	9	5-35,41,	57	1.2	12,364	3.70	458	28	58	-1,146	+.07	-32	-61
C1-04-66 1380168 3770693 5-73				47,52,74	23		14,339	3.59	515						
1491301 CRESCENT BEAUTY PRIME.....*		3	4	2-21,35	10	1.4	14,452	3.63	524	22	28	-289	-.03	-15	-21
01-14-66 1460219 5984410 1-73					15		15,621	3.76	588						
1491314 SMITHLAND NOEL FRITZ.....*		1	12	1-21	12	2.0	15,430	3.46	534	8	23	+239	.00	+8	+14
C9-03-65 1315498 4489170 5-73					41		14,369	3.44	495						
1491323 FLORADALE WEBBROCK LAIRO PETE.		1	10	1-52	10	1.6	12,469	3.26	406	17	21	-52	-.07	-12	-11
09-06-65 1369029 4773457 5-73					11		12,541	3.68	462						
1491333 ACKERLEY BIL JUBILEE CHRIS....*		3	16	2-16,21	21	1.6	14,704	3.45	507	20	29	-318	.00	-12	-19
10-03-65 1289532 5160734 5-73					33		15,982	3.47	555						
1491337 TREFOILAND MARQUIS OOZER.....*		5	3	2-21,23	10	1.1	14,447	3.52	509	22	28	-283	+.02	-8	-15
12-25-65 1459996 4594188 1-73					51		15,581	3.49	544						
1491381 MILL LANE OUKE.....		2	9	1-87	11	1.0	13,087	3.42	448	**	20	-447	-.01	-17	-27
03-14-65 1288610 4780479 5-73					1		15,431	3.49	539						
1491382 JERGENS HIGHCROFT GYPSIE.....*		3	7	1-41	10	1.1	14,945	3.59	537	22	22	+67	-.02	0	+2
C1-08-66 1416711 4469999 9-72					17		14,668	3.68	540						
1491383 JERGENS ROCKET SONNY.....*		8	7	4-41,46,	19	1.7	15,158	3.60	546	17	38	-222	-.01	-9	-14
C1-15-66 1416711 5554560 5-73				47,84	16		15,892	3.64	578						
1491406 VIGO PONTIAC CRUSADER.....*		3	6	1-35	11	2.1	14,681	3.71	544	9	29	-150	+.03	-1	-5
09-05-65 1431771 4034226 5-73					13		15,286	3.62	553						
1491433 RAYNOR OOJBLE DANDY.....		2	19	1-48	21	1.3	12,250	3.67	450	19	24	-46	+.01	0	-1
11-22-65 1282185 5699859 1-73					4		12,229	3.64	445						
1491451 WILLOW-MERE REFLECTOR DAGAN...		1	13	1-87	13	2.4	15,870	3.48	553	15	24	+29	+.02	+4	+4
07-27-65 1223243 5162546 5-73					46		15,900	3.38	538						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF OAU /HO	STATES NO- WITH MOST OAUS	... OAUGHTERS AND HEROMATES ... OAUS HM/OAU	REC/OAU HEROMATE	MILK	% FAT	FAT	% 1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1491456 RONROY REFLECTION MARK.....*		2	16	1-31	18	1.4	13,832	3.64	503	7	24	-24	-.02	-4	-4
07-29-65 1459996 5170867 5-73					10		13,887	3.77	524						
1491463 WOOO-MAPLE CONQUEROR BLACK JOE		1	11	1-23	11	1.6	11,905	3.70	441	0	20	-260	.00	-10	-16
03-01-64 1296729 4444233 5-73					8		13,056	3.75	490						
1491468 TRIPLE-N EONA BARON BENNY.....*		5	8	2-52,64	33	1.4	13,549	3.37	457	8	47	-4	-.08	-11	-9
10-13-65 1308796 5202715 5-73					23		13,468	3.55	478						
1491483 IOEOGRAPH CHARMER VALENTINO...*		1	18	1-52	18	1.2	14,040	3.69	518	0	22	-79	+.03	+2	-1
02-14-66 1357743 5546873 5-73					40		14,413	3.51	506						
1491516 MEAOOWILL CHRISTOPHER.....*		6	9	3-35,56,	20	2.2	15,801	3.68	582	0	38	-7	+.01	+1	+1
01-28-65 1378594 4838100 5-73				57	26		15,981	3.67	586						
1491537 E-Z ACRES IOEAL PIONEER.....		1	31	1-55	31	1.3	15,434	3.38	521	22	24	+39	-.01	0	+1
10-19-65 1352953 5502429 1-73					16		15,370	3.38	519						
1491538 E-Z ACRES OAGAN COLONEL.....*	55-01	4	4	1-55	14	1.7	16,916	3.58	606	8	39	+200	-.05	0	+6
10-26-65 1223243 4756706 1-73					42		16,621	3.72	618						
1491542 WESHOLME MONITOR SAM.....		2	17	1-23	21	1.1	11,151	3.96	442	**	24	-463	+.03	-13	-25
10-17-64 1424894 5362525 5-73					5		12,912	3.84	496						
1491545 LOCHLANO CONSTELLATION.....	41-25	48	2	4-35,41,	63	1.8	15,004	3.57	535	15	78	+65	-.09	-10	-6
09-19-65 1250772 4686710 5-73				42,47	20		14,980	3.68	552						
1491563 CARNS SENATOR OJN.....		2	19	1-35	21	1.2	15,999	3.58	573	9	23	+215	-.03	+4	+10
03-01-65 1252985 5230522 5-73					8		15,152	3.70	561						
1491566 JANSEN CHAMPION NORA ELMO.....		1	10	1-33	10	1.4	12,754	3.78	482	30	20	-542	+.01	-18	-31
10-30-65 1353507 4587081 9-72					28		15,653	3.76	588						
1491569 GGG ROCHELLE SENATOR.....*		2	7	1-42	13	1.5	15,205	3.58	545	46	29	-130	+.03	0	-4
01-15-66 1457064 4580039 5-73					9		15,804	3.45	546						
1491589 SUNNYSIOE-M STAR LAO.....*		1	18	1-41	18	1.4	13,749	3.53	486	29	22	-727	-.01	-27	-44
C9-08-65 1464726 5006011 5-73					5		17,287	3.60	623						
1491590 SUNNYSIOE-M SUPREME.....	41-01	48	2	1-41	56	1.9	13,534	3.52	476	20	77	-959	-.03	-39	-61
04-20-65 1347065 3745107 5-73					20		14,833	3.57	530						
1491594 FOREST GREENE OUKE MASTERPIECE*		1	11	1-21	11	1.8	17,257	3.30	570	0	22	+220	-.03	+3	+9
C3-27-65 1288610 4062904 5-73					21		16,464	3.40	560						
1491608 POEHLS CORONET VAN.....		1	12	1-33	12	1.3	13,115	3.80	498	17	20	-366	+.04	-7	-17
12-15-65 1451959 5398907 5-73					49		14,990	3.60	539						
1491622 MEAOOW HOLLOW INSIGNIA.....	35-75	22	1	11-21,23,	25	1.6	16,808	3.51	590	10	59	+567	-.02	+17	+31
12-30-65 1179372 5208975 5-73				35,82,93	70		16,010	3.54	566						
1491627 OEW-MORE STAR LEE HERCULES....*		2	15	1-14	17	1.4	17,821	3.31	590	25	24	+106	-.04	-2	+2
C4-12-65 1410984 4507405 5-73					31		17,707	3.45	611						
1491630 ATHLONE MAROUIS.....		1	19	1-64	19	1.4	11,895	3.89	463	16	22	-429	+.04	-10	-21
12-11-65 1459996 4198754 1-73					49		13,752	3.72	512						
1491631 GAY-THEL PANZY FOBES OELIGHT..*		1	12	1-31	12	2.4	17,036	3.56	607	0	24	+218	-.01	+6	+12
08-23-65 1077788 4657638 5-73					20		16,314	3.62	590						
1491636 BILLANN OAIRY PIONEER LEAOER..*		1	11	1-23	11	1.7	15,470	3.61	559	18	22	-28	-.03	-6	-6
C9-14-65 1292880 3888776 5-73					22		15,737	3.80	598						
1491642 HOW-BEX PANSY ORRA PRINCE.....*		8	4	2-35,73	19	1.6	16,978	3.42	581	11	45	+422	-.09	+2	+14
11-08-65 1233483 5057368 5-73					12		16,218	3.59	583						
1491674 OAKWOOOCREST CHAMPION KORNOYKE*		2	12	1-51	15	1.2	10,602	3.84	407	7	24	-360	+.01	-11	-20
12-19-65 1329617 4372406 5-73					22		11,860	3.80	451						
1491688 KENLANO SENATOR HOMESTEAO.....*		2	7	2-35,65	12	1.1	13,455	3.63	489	13	25	-227	+.01	-7	-13
11-22-65 1252985 4624961 9-72					23		14,357	3.64	523						
1491700 SABINA REX BLUE JO.....*		1	19	1-11	19	1.4	12,486	3.67	458	11	23	-162	.00	-6	-10
02-08-66 1282185 4349672 5-73					61		13,068	3.70	483						
1491705 ELKCREST PARAGON GEORGE.....		1	10	1-42	10	2.0	15,285	3.75	573	0	22	+73	+.02	+5	+6
C2-24-65 1336861 4842835 5-73					16		15,012	3.69	554						
1491712 KNOB VIEW WALLIE RAVEN.....*		2	19	1-51	21	1.4	14,757	3.79	560	5	24	+201	-.02	+4	+9
11-22-65 1386917 4169633 5-73					28		13,880	3.94	547						
1491720 COTTONWOOO VALE VALIANT CROSS.*		4	6	1-31	14	1.9	15,139	3.82	578	0	34	+95	+.03	+8	+9
09-22-65 1378594 4154928 5-73					12		14,916	3.75	559						
1491729 LECAL KINGMASTER.....*		5	16	2-51,52	25	1.6	15,891	3.88	617	23	31	+379	+.03	+18	+26
09-23-55 1454800 5528937 5-73					68		14,708	3.83	564						
1491735 MIOLANO REFLECTION PEPPER.....		1	14	1-93	14	1.0	21,278	3.38	719	0	19	+222	.00	+8	+13
10-04-65 1428478 5691666 5-73					22		20,765	3.34	694						
1491762 HAYSSEN OARKMASTER.....*	35-05	50	2	5-22,33,	79	1.3	14,829	3.65	541	18	78	-66	-.06	-11	-11
C1-29-66 1445073 3184976 5-73				35,41,42	17		14,972	3.74	560						
1491797 MAPLEGRANO SOVEREIGN MOOEL BEN*		4	5	1-21	11	1.6	13,404	3.48	467	0	29	-419	-.03	-19	-28
03-28-64 1216668 5322385 5-73					16		14,902	3.60	537						
1491812 GREGERSEN AMERICAN ROBURKE....*		1	17	1-41	17	1.8	15,614	3.48	543	6	24	+28	-.02	-2	-1
10-05-65 1291784 5186237 5-73					6		15,616	3.60	562						
1491821 HILL HEIGHTS LIVELY OAGAN.....*	23-13	58	1	3-21,22,	69	1.8	15,157	3.67	556	20	80	+102	-.02	+1	+4
08-08-65 1223243 3622043 5-73				23	26		15,101	3.70	559						
1491822 HILL HEIGHTS POSCH OLIVER.....	23-13	31	3	4-31,51,	54	1.5	14,135	3.79	536	7	70	+149	+.06	+14	+16
12-18-65 1070036 4114283 5-73				52,54	41		13,870	3.71	515						
1491824 CHAROELL MEMORY IOEAL PRINCE..*		2	10	2-21,31	12	1.6	15,905	3.65	581	17	23	-238	-.02	-12	-17
09-17-65 1283536 4971477 5-73					17		17,216	3.77	649						
1491826 WILBURHOLM ORMSBY PRIOE.....		4	12	2-21,23	21	1.6	18,011	3.40	613	18	33	+277	-.07	0	+8
10-11-65 1282262 5699355 5-73					35		17,479	3.59	627						
1491830 LIME HOLLOW STYLEMASTER.....	35-75	36	1	15-21,35,	45	1.8	15,924	3.51	559	20	73	+125	-.08	-7	-2
12-23-65 1175471 5388147 5-73				55,82,93	45		15,903	3.62	575						
1491832 OEOOCO K M SARG.....		1	16	1-35	16	2.3	15,724	4.01	631	7	25	-8	+.06	+9	+7
08-27-65 1283536 4522615 5-73					24		15,912	3.80	605						
1491841 ST CROIXCO PRAIRIE ROCK.....*		1	24	1-35	24	1.6	17,345	4.04	701	0	25	+142	+.06	+14	+16
C1-22-65 1291499 5602565 5-73					16		17,029	3.86	658						
1491845 OALCREST ROSE AOMIRAL.....*		4	5	1-74	12	1.6	14,780	3.32	490	8	32	-26	-.04	-6	-6
11-20-65 1281628 5752035 5-73					33		14,920	3.42	510						
1491857 ST CROIXCO SUPREME LARK.....*		4	41	1-35	47	1.5	13,688	3.71	508	13	28	-164	-.01	-8	-12
04-16-55 1347065 4808023 5-73					10		14,268	3.81	544						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS	REC/DAU HEROMATE	MILK	%	FAT	%	REPT	PREDICTED DIFFERENCES MILK	%	FAT	$$
1491858 DIAMOND S BEAUTY VAR PONTIFF..*		3	26	1-93	30	2.3	17,810	3.54	630	23	30	+30	-.04	-4	-2
09-11-64 1240549 4403586 5-73					130		18,076	3.66	661						
1491859 TERILAND DUKE LEO.....*	33-03	7	11	1-93	28	1.8	18,405	3.63	668	4	41	+25	.00	+1	+2
12-09-64 1288610 4831188 5-73					94		18,782	3.63	681						
1491860 ELDERSIDE GINGER DAGAN.....		1	22	1-41	22	1.4	16,703	3.96	661	9	23	+218	+.01	+10	+15
C1-10-66 1311429 5496145 5-73					12		15,904	3.95	628						
1491894 BORDER PUBIS SAILOR BOY.....	35-75	34	2	13-35,41,	43	1.6	16,314	3.65	595	10	70	+261	+.02	+12	+18
C1-29-66 1282185 4850877 5-73				51,55,93	64		16,115	3.62	584						
1491895 NACREST IDEAL-TWIN.....	35-75	36	1	12-21,35,	43	1.6	16,458	3.49	574	18	71	+306	-.09	-2	+8
01-30-66 1239242 5024037 5-73				55,91,93	56		16,208	3.61	585						
1491896 NACREST IMPERIAL-TWIN.....	35-75	28	1	11-23,35,	33	1.6	16,331	3.57	583	7	66	+252	-.03	+4	+11
C1-30-66 1239242 5024037 5-73				52,55,93	58		16,119	3.62	584						
1491908 RIVERLEA IVANHOE STAR.....		1	13	1-21	13	1.2	16,013	3.60	577	0	20	+73	+.04	+9	+10
10-30-65 1416771 5668852 1-73					18		15,783	3.38	534						
1491920 ILLIVALE THANK YOU.....		2	28	1-92	32	1.4	15,774	3.47	548	8	27	+463	-.03	+12	+24
12-13-55 1459996 5043802 5-73					100		13,995	3.58	501						
1491929 DINGLEY DELL R A DUKE.....	41-01	30	3	2-41,46	41	1.1	14,373	3.65	525	13	63	-211	+.05	0	-6
C2-04-66 1288610 4385107 5-73					18		14,745	3.57	526						
1491953 GLEN VALLEY IVANHOE PRINCE....*		2	34	1-23	36	1.2	16,557	3.85	638	14	25	+142	+.04	+11	+13
C2-19-66 1189870 4930246 5-73					127		16,163	3.71	600						
1491961 EIPPERHURST REFLECTOR.....*		3	21	1-47	47	1.5	14,838	3.77	560	9	41	-133	+.05	+3	-2
C3-02-66 1298430 5965048 5-73					13		15,253	3.65	557						
1491980 FLORENDEL IVANHOE LOREN-TWIN..*	31-07	24	2	3-31,61,	31	1.5	15,730	3.73	587	15	63	+637	+.11	+39	+51
C9-16-65 1189870 4575664 5-73				84	25		14,750	3.56	525						
1491981 FLORENDEL IVANHOE LEO-TWIN....*	31-07	67	2	8-31,33,	88	1.6	15,550	3.55	552	15	82	+537	-.08	+8	+23
09-16-65 1189870 4575664 5-73				61,74,83	21		14,953	3.64	545						
1492010 ROMANDALE REFLECTION LEGACY...*		9	4	2-43,74	27	1.9	14,962	3.35	501	0	53	+99	-.07	-7	-3
C9-08-64 010265008 011479960 5-73					21		14,820	3.48	516						
1492023 OAVISLAWN OAGAN DEAN PRINCE...*	21-10	33	1	5-11,12,	34	1.7	16,451	3.53	581	15	67	+609	-.05	+14	+30
C9-02-65 1223243 4271570 5-73				13,16,21	29		15,675	3.60	564						
1492057 TIERNEY BAREMA.....*		1	21	1-52	21	1.5	15,208	3.50	533	17	24	+127	-.02	+1	+5
C9-19-65 1308796 5188008 5-73					56		14,697	3.61	531						
1492061 POSCH HANDY FARMS LEADER.....		3	5	1-21	10	2.0	12,925	3.32	429	11	28	-108	-.02	-7	-9
C3-06-64 1313490 5570571 5-73					20		13,198	3.42	452						
1492071 GOJVEIA ELMSMASTER.....	93-19	2	15	1-93	20	2.0	19,169	3.78	725	6	30	+656	+.02	+26	+41
03-03-65 1427381 5444293 5-73					32		17,239	3.76	649						
1492097 SHETLARS GAY LAD.....*		1	14	1-73	14	1.5	14,967	3.51	525	46	22	-70	.00	-3	-5
11-24-65 1378562 5571154 5-73					13		15,394	3.55	547						
1492099 SHETLARS LAD SUPREME FOBES....		1	21	1-73	21	1.3	15,092	3.71	560	33	23	-193	-.01	-8	-12
G1-18-66 1378562 3323605 5-73					24		16,113	3.77	608						
1492114 OLMAR SKY KING DUKE.....*		1	11	1-41	11	1.4	14,673	3.93	576	0	20	-188	+.05	0	-6
10-27-65 1436146 5979892 1-73					6		15,762	3.74	589						
1492125 WEISSDALE RENDEZVOUS.....*		13	2	3-23,51,	20	1.5	14,590	3.89	567	26	49	-532	+.09	-7	-22
12-15-65 1378594 5837807 5-73				55	20		15,820	3.73	590						
1492147 RINCON MAGIC DAN MOSE.....		2	20	1-93	22	1.3	18,957	3.52	668	5	24	+61	-.01	+1	+3
12-31-65 1297472 5629577 5-73					102		19,186	3.55	681						
1492156 MORSONS CRISSCROSS BURKE.....*		6	2	2-50,51	10	1.6	12,757	3.86	492	30	35	-657	+.01	-22	-38
10-19-65 1378594 5178103 1-73					58		14,693	3.83	563						
1492161 HEINOLOS SPARKO ALTA CURTIS...*		5	3	2-33,74	10	1.4	14,618	3.35	489	50	31	-91	-.07	-13	-13
10-22-65 1432385 4649624 5-73					57		14,969	3.57	534						
1492165 FERTILE-MEADOWS EUTOPIA PILOT.		1	18	1-35	18	1.3	15,237	3.54	540	12	22	-89	+.02	0	-3
C2-21-66 1452852 5687079 5-73					22		15,790	3.48	549						
1492205 SCHRICK FURY REFLECTOR.....*		4	12	2-48,71	17	1.2	16,470	3.40	560	19	26	-13	-.05	-7	-6
01-01-66 1381027 5076343 5-73					14		16,760	3.57	599						
1492223 CENTERVIEW PAT.....*		1	10	1-22	10	1.5	14,144	3.48	492	30	20	-165	-.01	-8	-12
C1-03-65 1291498 5444072 9-72					19		15,039	3.57	537						
1492238 CHAPEL BANK TRIJMPH.....*	21-10	49	1	7-11,12,	56	1.6	16,483	3.54	584	10	77	+536	-.05	+12	+26
C2-27-66 1038509 5016497 5-73				13,14,21	35		15,939	3.60	574						
1492241 DUNGA BROOK INKA BURGENE.....*	21-10	52	1	7-11,12,	54	2.1	16,770	3.55	596	7	78	+900	-.04	+27	+49
C1-25-65 1278644 5626590 5-73				13,15,21	29		15,751	3.59	566						
1492243 JO-EL REBUS OE KOL SAM.....*	21-10	37	1	7-11,12,	39	1.9	16,939	3.55	602	13	71	+1,016	-.06	+28	+54
C9-30-65 1221835 5219247 5-73				13,16,21	26		15,623	3.63	567						
1492244 SOUTHWIND JULE GRECO.....*		2	11	1-74	13	2.2	14,035	3.23	453	8	26	-173	-.01	-7	-11
05-24-64 1303076 4198209 5-73					36		14,750	3.25	479						
1492247 SUNNYSIDE ROBURKE PRIDE.....*		2	12	1-35	14	1.4	16,575	3.51	581	8	23	+251	-.03	+5	+12
12-25-65 1314449 3907243 1-73					15		15,610	3.61	563						
1492251 JAVONDALE PRIDE ADMIRAL.....*		1	17	1-55	17	1.7	15,682	3.39	531	7	23	+388	-.02	+11	+21
11-24-65 1237057 5062417 1-73					28		13,966	3.44	481						
1492253 HYCKORY-HYLL AUTOMATION.....*		2	21	1-21	23	1.6	12,637	3.56	450	10	26	+112	+.01	+5	+7
10-23-65 1446414 4043395 5-73					14		11,961	3.50	419						
1492258 HEERSCHE OKLASTAPEN COUNT.....*		2	7	1-73	13	1.6	15,642	3.67	574	15	28	-150	+.04	0	-5
09-17-65 1350414 5131163 5-73					43		16,370	3.57	585						
1492270 ROUND-PRAIRIE VALIANT BUSTER..		3	9	1-42	13	1.2	14,351	3.85	553	**	23	-200	+.04	-1	-7
11-20-65 1415091 5541929 5-73					11		15,304	3.70	567						
1492271 OATS FARM SKYLINER.....	35-75	27	1	12-23,31,	33	1.5	16,076	3.38	544	7	65	+22	-.12	-17	-13
C2-01-66 1244845 4480726 5-73				34,55,93	63		16,226	3.56	577						
1492285 OVERLEA EXCEL.....*		1	15	1-23	15	1.6	13,508	4.09	553	13	23	-338	+.07	-2	-12
C1-29-66 1378594 4851668 1-73					10		15,070	3.78	570						
1492290 MANCRYCO RABURKE DUTCH CARL...*		3	6	1-42	13	1.9	15,109	3.98	601	10	32	-26	+.04	+5	+3
10-30-64 1339672 5538999 5-73					18		15,283	3.87	592						
1492322 CROSS-FARM RAMBLER SHERM.....	21-10	51	1	7-11,13,	56	1.5	16,029	3.53	566	14	76	+507	-.04	+12	+25
C1-16-66 975138 5082134 5-73				14,16,21	26		15,468	3.58	553						
1492328 LOCHLAND ELEGANT.....		4	31	1-41	38	1.8	15,237	3.64	555	8	31	+216	+.04	+14	+18
03-09-65 1450326 5533011 5-73					13		14,550	3.51	510						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS	REC/DAU HERDMATE	MILK	%	FAT	% FAT INC	1ST	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1492336 BROOKFIELD LEADER LANCELOT....		5	14	1-52	28	2.3	14,916	3.42	510	8	40	-68	-.07	-13	-13
04-10-64 1421505 3612495 5-73					24		15,169	3.62	549						
1492368 WIL-O-WHIT PRIDE FROST.....*		1	24	1-87	24	1.8	18,226	3.26	594	0	25	+758	-.08	+15	+35
04-11-65 1237057 5280135 5-73					26		15,298	3.49	534						
1492372 STEUBINGS HOUDINI CRESCENT....*		2	21	1-74	23	2.4	16,339	3.30	539	0	28	-209	.00	-8	-13
01-31-64 1238438 4327791 5-73					27		17,380	3.31	575						
1492374 UK SOMETHING SPECIAL.....	61-02	62	3	7-31,33, 61,74,84	125	1.7	14,373	3.52	506	13	85	-214	-.02	-10	-15
07-07-65 1282185 5489617 5-73					27		14,653	3.54	519						
1492386 SONG-MT MASTER OUOE.....*		2	9	1-21	17	2.1	14,026	3.58	502	7	34	-278	+.04	-4	-12
05-13-65 1380945 4575287 5-73					14		14,889	3.46	515						
1492400 HEWFIELDS ZENOA PERSEUS.....		1	10	1-34	10	1.8	13,490	3.29	444	10	21	+154	-.04	0	+5
10-24-65 010260599 4686723 5-73					23		12,584	3.49	439						
1492402 LEOGEHOLM GIANT ELM.....*		8	6	4-11,13, 16,21	21	2.4	16,574	3.51	582	7	45	+494	-.03	+13	+26
03-31-64 1225883 4889939 5-73					27		15,603	3.56	556						
1492403 KILINSOALE IVANHOE OEAN.....*	21-10	50	2	6-11,13, 14,16,21	59	1.7	15,836	3.74	593	15	77	-231	+.12	+9	0
12-09-65 1085978 5234925 5-73					35		16,332	3.60	588						
1492416 SQUIRE RIDGE ORMSBY OUKE.....		1	19	1-34	19	1.4	14,409	3.22	464	53	23	+183	-.09	-6	+1
10-31-65 1222994 4401645 5-73					19		13,511	3.63	491						
1492426 COOK FARM MARQUIS TERRIE.....*		1	18	1-13	18	1.1	16,758	3.34	559	8	21	+160	-.04	0	+5
12-01-65 1459996 5494055 5-73					23		16,160	3.52	569						
1492431 ROO-ER-DIC ROYAL WINTERTHUR...*		3	7	2-32,34	10	2.4	13,888	3.72	517	33	27	-436	+.01	-15	-26
08-26-65 1397752 5203250 5-73					28		15,619	3.74	584						
1492441 CHAR-LENE FARM MARQUIS TOPMAN.*		2	16	1-51	20	1.4	12,228	3.95	483	29	26	-20	+.03	+3	+2
11-14-65 1459996 5172080 5-73					27		12,079	3.86	466						
1492442 WOODLEDGE EXCEL LAD.....		1	16	1-52	16	1.1	16,025	3.48	557	0	20	-92	-.03	-8	-9
10-02-65 1466609 5888477 5-73					34		16,718	3.64	608						
1492445 OAK GREEN ADMIRAL PRIDE.....*		20	8	5-31,51, 52,55,56	50	1.8	15,395	3.23	498	16	60	+391	-.18	-13	+1
10-16-64 1237057 3801852 5-73					25		14,788	3.53	522						
1492465 CRACKYS CRISSCROSS.....*		4	17	1-21	34	1.5	13,491	3.71	501	15	37	-314	+.06	-3	-12
09-28-65 1378594 5801080 5-73					42		14,335	3.56	510						
1492466 HIGH MEADOW FARM MR RAG APPLE.*		4	6	1-21	11	1.5	13,416	3.62	485	75	26	-412	+.04	-9	-20
11-13-65 1459996 5715562 5-73					8		15,057	3.47	523						
1492471 KOPIAH WIS SEGIS SAM.....*		5	7	1-91	18	1.4	18,165	3.57	649	25	35	+145	+.02	+8	+11
12-17-65 1258673 5157922 5-73					23		18,125	3.51	637						
1492482 ROBTHOM GAYBOY SUPREME-TWIN...		2	12	1-43	14	1.9	14,642	3.63	532	29	25	-241	+.06	0	-7
08-27-65 1347065 5307551 5-73					6		15,739	3.40	535						
1492483 ROBTHOM GAY SUPREME-TWIN.....*		7	5	1-43	26	1.7	15,795	3.50	553	12	50	-53	-.04	-8	-8
08-27-65 1347065 5307551 1-73					17		16,071	3.58	576						
1492486 ROBTHOM MONARCH VOYAGEUR.....	48-01	100	3	6-42,43, 47,48,73	189	1.5	16,118	3.32	535	10	90	+1,212	-.21	+11	+46
09-13-65 1210507 5189174 5-73					26		14,810	3.53	523						
1492508 GRAY VIEW SNOWCROSS.....*		11	3	5-43,47, 71,72,74	23	1.4	15,306	3.55	543	30	50	+164	-.01	+5	+9
11-22-65 1396617 5929672 5-73					30		15,044	3.56	535						
1492511 GRAY VIEW SKYCROSS SPECIAL....		2	12	1-73	17	1.5	14,787	3.60	533	18	27	-204	+.01	-6	-11
11-08-65 1441148 5546383 5-73					25		15,663	3.59	562						
1492533 SHEN-ROCK HARDEN FARMS MARQUIS*		3	5	1-52	15	1.7	17,350	3.32	576	17	36	+109	-.10	-10	-5
06-29-65 1459996 4872031 5-73					17		17,344	3.56	617						
1492542 LOCHLAND R A LAIRO.....		6	11	1-41	35	1.6	16,721	3.41	570	13	45	+062	-.08	+12	+30
10-27-65 1402113 5480928 5-73					12		15,353	3.55	545						
1492549 ZELDENRUST FOND MEMORY.....*		10	8	5-16,21, 31,32,61	33	1.4	15,224	3.49	532	6	48	+98	-.02	+1	+4
12-05-65 1459996 4733513 5-73					26		15,091	3.53	532						
1492556 MALLARY ACCELERATOR.....*		17	2	4-12,13, 16,55	22	1.6	14,203	3.68	522	6	55	-609	+.01	-20	-35
09-20-65 1443266 3378185 5-73					23		15,407	3.67	565						
1492575 ODORCO PIONEER NATHAN-TWIN....*		4	5	3-32,34, 35	11	1.7	16,589	3.77	626	0	30	+149	+.02	+8	+11
06-06-65 1397209 4039332 1-73					15		16,276	3.74	608						
1492587 BILLIT SHAMROCK PERFECTION....*		10	1	5-14,16, 21,23,31	12	1.3	12,415	3.58	444	63	39	-724	-.02	-29	-46
03-30-65 1383799 4610165 5-73					15		14,265	3.65	520						
1492600 ATHLONE STAR-DUST.....*		6	14	3-43,48, 74	40	1.8	13,996	3.82	534	13	46	-154	+.03	-1	-5
10-13-65 1410984 5212708 5-73					48		14,327	3.78	541						
1492632 PUELICHER ADMIRATION HOMESTEAD*		11	2	4-51,52, 55,57	14	2.6	15,971	3.65	583	8	47	+565	+.02	+23	+36
10-27-63 1358647 4890397 5-73					20		14,823	3.62	536						
1492676 BOI MARK PRINCE ROBOT.....*		2	15	1-52	29	1.0	17,521	3.44	603	14	32	+106	-.04	-2	+2
12-07-65 1222994 5691837 5-73					74		17,502	3.56	623						
1492688 SASSAMAN MATADOR SKYLINER.....*		1	18	1-23	18	1.5	11,055	3.74	413	6	23	-217	+.03	-4	-10
12-13-65 1244845 5426266 5-73					7		11,743	3.63	426						
1492707 OAY-STAR MAGIC FORTY-NINER....		2	12	1-93	22	1.2	16,380	3.75	614	5	31	+73	.00	+3	+5
10-24-65 1283917 4964197 5-73					29		16,335	3.75	612						
1492723 SILVERY-FALLS SENATOR ELKAN...*		1	11	1-21	11	1.7	13,337	3.78	504	0	21	-442	+.01	-15	-26
11-04-65 1252985 4647642 5-73					24		15,543	3.76	584						
1492724 HERCHENHAHN SKYLINER JOKER....*		2	17	1-65	19	1.5	16,763	3.43	575	16	24	+73	+.01	+4	+5
03-03-66 1244845 5283562 5-73					25		16,692	3.37	563						
1492734 WILLOWLYN INKA LUCKY.....		1	13	1-52	13	1.2	16,441	3.58	589	11	20	+122	+.01	+6	+9
02-02-66 1298430 5763478 5-73					29		15,982	3.52	563						
1492792 DIAMOND S BVAR GUARD.....		6	19	2-86,93	35	1.7	14,706	3.64	536	13	37	-273	+.01	-8	-15
11-28-64 1240549 4214019 5-73					83		15,573	3.62	564						
1492793 DIAMOND S BVAR DUSTIN.....*		4	9	2-86,93	16	1.6	18,925	3.61	683	0	30	+175	.00	+7	+11
08-28-65 1240549 4214018 5-73					136		18,786	3.60	676						
1492795 DIAMOND S BEAUTY VAR TEO.....*		5	5	3-86,91, 93	12	1.3	18,838	3.56	670	10	30	+348	.00	+12	+20
04-06-65 1240549 4518931 1-73					108		18,055	3.56	642						
1492797 DIAMOND S TROCK NERO.....*		3	9	2-86,93	12	1.8	17,530	3.65	640	0	26	-231	+.02	-5	-11
09-04-64 1304593 4186650 5-73					134		18,857	3.60	678						
1492809 M-WHEEL BURKE RAG APPLE GERBEN*		2	5	1-43	10	1.7	14,617	3.35	489	20	28	-191	+.01	-6	-11
02-07-65 1332860 4662871 9-72					14		15,407	3.34	514						
1492823 AL-LO-WAYNE TRIUNE ROCKET.....*		2	11	1-35	13	1.1	13,802	3.70	511	11	21	-137	+.04	+1	-3
03-08-66 010252803 4044634 5-73					14		14,461	3.50	506						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS HM/DAU	REC/DAU HERDMATE	MILK MILK	% %	FAT FAT	% 1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1492826 ARCHAMBAULT GREAT MONTY.....*		4	7	2-35,73	17	1.8	15,414	3.28	506	6	35	+76	-.10	-12	-8
11-15-65 1425163 4970420 5-73					15		15,289	3.56	545						
1492835 F&S-ACRES REKLAW WANDA POSCH..		1	30	1-42	30	2.1	10,440	3.69	385	4	27	-235	+.01	-7	-13
04-09-65 1435134 5191361 5-73					6		10,963	3.69	404						
1492861 GRAVEL CREEK KNIGHT INKA.....*		4	10	2-33,35	22	1.9	13,597	3.58	487	5	38	-106	-.01	-5	-7
10-04-65 1242221 3905237 5-73					23		13,818	3.63	502						
1492862 RICHMAN ROYAL HERITAGE.....*		7	10	1-34	20	1.5	14,669	3.74	549	17	33	+212	+.02	+10	+15
10-16-65 1330987 5379676 5-73					21		13,987	3.70	518						
1492869 ALLENDAIRY LOCKWAY IVANHOE LAD*		5	5	2-23,51	15	1.4	15,071	4.04	609	0	35	+189	+.09	+20	+22
10-06-65 1366229 5453368 5-73					21		14,552	3.83	557						
1492877 LAKE AIRE JUBILENT HEADMASTER..*		1	11	1-74	11	2.1	16,294	3.57	581	27	22	-30	+.01	0	-1
10-30-65 1349029 6220272 5-73					104		16,660	3.53	588						
1492880 EASTHAVEN DEAN SENATOR.....*		3	12	2-32,35	20	1.9	16,283	3.24	528	5	32	+587	-.07	+10	+26
03-17-65 1252985 5621077 5-73					12		14,441	3.41	493						
1492886 WINDING-BAUGO IRVIN PONTIAC...*		3	7	3-23,32,	12	1.8	15,811	3.61	570	0	28	+237	-.05	+1	+8
07-10-65 1397752 5427443 5-73				33	53		15,027	3.79	570						
1492895 ALLENDAIRY EXECUTIVE.....*		19	2	3-35,42,	26	1.4	14,921	4.03	602	15	57	-364	+.16	+10	-3
12-19-65 1366229 6314608 5-73				84	17		15,687	3.77	592						
1492913 SMITHCREST SKYLARK BELLE BDY..	35-75	27	1	11-21,23,	33	1.9	15,146	3.58	542	11	67	-493	-.04	-23	-34
07-29-65 1239242 5971176 5-73				35,91,93	58		16,052	3.64	584						
1492923 LOGIL IDEAL HENCHMAN.....*		5	6	3-57,63,	21	1.2	13,201	3.48	460	0	40	-14	.00	0	0
01-09-66 1013415 5661225 5-73				64	16		13,110	3.46	454						
1492928 COLDSPRINGS LADMASTER POLARIS.	61-02	129	5	6-51,52,	284	1.6	14,409	3.57	514	9	92	-147	-.03	-9	-12
08-03-65 1122127 3634827 5-73				55,65,82	30		14,591	3.60	525						
1492951 KRULL REFLECTOR TRUSTEE.....*		7	5	1-35	17	1.7	16,577	3.58	594	15	38	+398	-.06	+6	+17
10-06-65 1298430 45267e2 5-73					14		15,659	3.74	585						
1492952 PLEASANT VALLEY MISTER PRINCE.*		4	3	3-12,14,	11	1.3	15,399	3.70	569	50	32	+186	+.03	+11	+15
12-04-65 1286222 5478013 5-73				16	31		14,856	3.61	537						
1492975 RAY-ZEL OEAN ARISTOCRAT PAT...		1	16	1-35	16	1.2	15,466	3.42	529	27	21	-64	.00	-3	-4
02-13-65 1291498 4891801 5-73					14		15,934	3.47	553						
1492932 PETERS FARM MARKSMAN MARQUIS..*		3	14	2-23,55	18	1.5	12,521	3.71	465	8	26	-494	+.01	-16	-28
11-15-65 1459996 4932320 5-73					43		14,428	3.69	532						
1492985 CHARJON SENGOV MASTER.....		2	26	1-84	30	1.9	14,998	3.21	482	14	29	+108	-.05	-3	+1
09-02-65 1431216 5287158 5-73					37		14,643	3.38	495						
1492994 HILMAR TREASURE DUKE.....		1	24	1-93	24	1.7	20,646	3.39	700	4	25	+162	-.03	+1	+6
07-10-65 1357308 5521676 5-73					64		20,615	3.47	715						
1493044 RIVER INN MARKSMAN VETERAN....		1	28	1-93	28	1.1	18,246	3.65	666	**	23	+238	+.03	+13	+18
11-11-65 1397088 5670582 5-73					6		17,509	3.54	619						
1493109 CLOVERBROOK PRINCE ADMIRAL....		1	19	1-42	19	1.5	14,014	3.43	480	10	23	+178	-.01	+5	+9
07-23-65 1237057 5492909 5-73					9		13,105	3.44	451						
1493112 MAL-RU GINGER OARKY.....		2	11	1-47	13	1.1	13,414	3.24	434	**	21	+43	-.05	-5	-3
12-13-64 1418083 4745062 1-73					7		13,081	3.48	455						
1493142 RIVER BLUFF IVANHOE.....*		2	6	1-48	10	1.9	13,650	3.32	453	0	27	-121	-.03	-8	-10
10-25-65 1391173 4755220 5-73					6		14,057	3.43	482						
1493187 HAHN FARMS COMMANDER JOE JIM..*		2	12	1-32	15	1.2	14,056	3.63	510	0	24	-53	-.01	-3	-4
04-08-65 1456385 4858736 1-73					17		14,270	3.69	526						
1493192 CASWELL PIONEER COMMANDER.....*	55-01	6	6	1-55	29	1.4	18,053	3.59	648	7	50	+608	-.07	+12	+28
11-21-65 1352953 4411715 1-73					38		17,095	3.71	635						
1493224 FO-MA-TO-SA CRUSADER TIDY B...*	33-03	10	9	4-47,48,	35	1.3	17,109	3.27	559	9	48	+543	-.12	+2	+18
03-07-65 1179373 4958363 5-73				73,93	26		16,141	3.46	559						
1493248 O TIDY BURKE LITTLE CAESAR....*		5	3	3-35,71,	11	1.4	18,660	3.49	652	18	32	+457	-.06	+7	+20
06-16-65 1329249 5146865 1-73				73	20		17,543	3.65	641						
1493249 O TIDY BURKE MIXER.....*		4	6	1-48	15	1.4	15,698	3.41	535	38	32	-47	+.01	0	-1
09-25-65 1419755 5041976 5-73					15		16,009	3.37	539						
1493250 O TIDY BURKE SILVER.....*		4	11	2-43,48	18	1.4	14,269	3.55	507	25	29	-87	-.02	-6	-8
10-01-65 1419755 4665921 5-73					13		14,596	3.66	534						
1493253 ANAMOSA CHAL OVERSEER.....*		6	2	2-33,42	10	1.1	14,612	3.32	485	20	30	+430	-.06	+7	+19
11-30-65 1291499 5313650 5-73					64		13,038	3.50	456						
1493285 SANDHURST-CRS WAPA RAVEN.....*		3	13	1-31	34	1.5	15,272	3.67	560	15	41	-331	+.03	-8	-17
12-03-65 1113350 5064243 5-73					34		16,269	3.61	588						
1493310 DIAMOND S BARON CAIN-TWIN.....*		3	14	1-93	26	1.4	18,869	3.96	748	8	33	-15	+.05	+7	+5
12-15-65 1308796 3903730 5-73					117		19,421	3.87	751						
1493311 DIAMOND S BARON-TWIN.....*	33-03	87	2	23-23,35,	133	1.4	15,556	3.63	564	15	86	-65	+.02	+1	-1
12-15-65 1308796 3903730 5-73				41,51,93	40		15,771	3.60	568						
1493312 DIAMOND S BARON OEE.....*	93-16	1	15	1-93	15	1.2	19,576	3.41	667	9	21	+287	-.06	+1	+10
01-12-66 1308796 4391164 1-73					85		18,614	3.65	680						
1493324 LEHO ONYX STAR KING.....		1	39	1-43	39	1.7	12,097	3.48	421	3	26	+11	.00	0	0
11-18-65 1338479 4638067 5-73					11		11,797	3.50	413						
1493355 EXRANCO MARK SAM.....	93-03	4	9	1-93	17	1.4	17,010	3.59	611	12	31	-26	+.01	0	-1
01-05-66 1397088 5586863 1-73					176		17,399	3.60	626						
1493360 DRAWN FARM SENSATION H CHIEF..*		1	14	1-13	14	2.5	15,904	3.67	584	0	25	+373	-.01	+12	+21
11-28-65 1298372 4500854 5-73					25		14,427	3.73	538						
1493367 PHIL-TON IVANHOE LEADER.....		1	17	1-41	17	1.7	14,275	4.03	575	13	23	+153	+.07	+15	+17
02-09-66 1422506 5444659 5-73					41		13,532	3.76	509						
1493368 PHIL-TON IVANHOE GYPSIE.....		1	12	1-41	12	1.3	14,389	3.56	512	25	20	+34	-.03	-3	-1
02-21-66 1422506 5810597 9-72					8		14,200	3.77	535						
1493372 PLAINSITE RECOVERY PABST-TWIN.*		1	10	1-35	10	1.6	15,929	3.60	574	0	20	+229	-.02	+5	+11
01-08-65 1449779 3918888 9-72					24		14,842	3.72	552						
1493376 GRASSY MEADOWS PROFILE WINNIE.*		7	4	2-52,55	19	1.8	14,816	3.61	535	11	45	-856	+.03	-27	-48
01-23-65 1336320 5419657 5-73					26		16,988	3.56	605						
1493395 SOUTHWIND BONANZA.....*		2	19	1-74	21	1.7	14,832	3.18	471	15	26	-153	+.01	-4	-8
12-12-65 1281528 4264687 5-73					38		15,541	3.14	488						
1493435 DIAMOND S KNIGHT SON.....	35-75	9	28	1-93	65	1.5	20,015	3.41	683	22	43	+685	-.10	+9	+28
06-06-65 1242221 4186642 5-73					118		18,883	3.60	679						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HO	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS	REC/DAU HM/DAU	MILK HEROMATE	% MILK	% FAT	FAT	% INC	1ST REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1493449 PERKINS LUCIFER PETER.....*		2	12	1-32	14	1.9	15,742	3.57	562	36	25	+111	-.03	0	+3
03-30-65 1290182 4786518 5-73					38		15,400	3.69	569						
1493453 BONWOOD EMPEROR JO.....*		1	10	1-41	10	1.5	15,924	3.67	585	10	20	-151	+.02	-3	-7
10-01-65 1416711 5784009 1-73					34		16,938	3.62	613						
1493458 EOELE BETTY YEOMAN JBARON.....		1	13	1-32	13	1.6	13,320	3.88	517	30	22	-217	-.02	-10	-15
C5-05-64 1426073 4092039 1-73					16		14,313	4.00	572						
1493463 ELLINGOALE M V FIRST CHOICE...	41-01	46	2	2-41,42	55	2.0	14,308	3.62	518	8	77	+110	+.01	+5	+7
04-14-65 1307195 4292482 5-73					20		14,140	3.61	511						
1493468 EMMONS PROMISE CREATION.....*		1	24	1-34	24	1.8	14,433	3.87	558	0	25	-56	+.08	+9	+6
11-17-65 1390540 5799583 5-73					19		14,690	3.55	522						
1493470 EMMONS PROMISE DIAMOND.....		1	26	1-34	26	1.2	13,067	3.61	472	27	23	+64	-.02	0	+2
12-14-65 1390540 5355351 5-73					8		12,607	3.74	471						
1493514 SUSQUESEGO SENATOR FRITZ.....*		10	4	2-13,21	17	1.4	15,140	3.60	545	6	41	-359	+.06	-5	-15
03-19-66 1252985 4953504 5-73					34		16,200	3.48	563						
1493533 NOROG ELVIRA CROWN.....		2	9	1-47	18	2.1	15,732	3.72	585	12	35	+15	.00	0	0
10-23-65 1288605 3522167 5-73					27		15,834	3.77	597						
1493547 MARI-OEN PONTIAC PRINCE.....*		1	21	1-42	21	1.3	13,024	3.79	494	5	23	+20	-.01	0	+1
10-08-65 1377752 4861101 5-73					20		12,773	3.87	494						
1493558 BURKE WHIT PACESETTER.....		3	10	1-87	21	1.8	17,807	3.44	612	5	36	+416	-.07	+4	+16
08-24-65 1223243 4381295 5-73					26		16,917	3.60	609						
1493574 MAYTIME INKA BARON.....		1	18	1-41	18	1.1	13,781	3.80	524	**	21	+56	+.02	+5	+6
02-22-65 1482006 4715096 5-73					9		13,410	3.71	498						
1493588 EOELMA MASTER ED.....	61-02	45	2	6-31,33,	70	1.6	14,733	3.52	519	12	78	+15	-.07	-10	-8
10-02-65 1282185 5071140 5-73				61,73,74	22		14,750	3.62	534						
1493606 FLO-RO REFLECTION JUNIOR.....		6	7	1-21	15	1.7	15,203	3.60	548	7	33	-122	+.02	-2	-5
10-22-65 1459996 5001161 5-73					13		15,711	3.58	563						
1493643 KLEVER HURLWOOD BELMONT OEMANO*	21-10	132	3	9-11,12,	201	1.3	16,698	3.42	571	14	89	+955	-.15	+12	+39
11-13-65 1035164 5065426 1-73				13,16,21	25		15,763	3.57	562						
1493652 JO-C PERFECTION LELAN.....		1	20	1-48	20	1.6	15,074	3.52	530	28	24	+124	-.02	+2	+5
09-29-65 1430996 4509867 5-73					25		14,568	3.60	524						
1493657 ROCK HOME LUCKY.....*		3	7	1-84	17	1.2	17,346	3.29	570	20	33	+285	-.07	0	+9
03-03-66 1424932 4104166 5-73					8		16,739	3.44	574						
1493675 LAVEOA FARMS SKOKIE MARK.....*		9	2	1-23	12	1.7	15,084	3.77	568	11	40	-131	+.02	-2	-6
11-22-65 1358823 5045928 5-73					21		15,525	3.76	583						
1493681 PACLAMAR TRIUNE LYLE.....*		3	12	1-84	19	1.5	16,633	3.48	579	16	29	-2	.00	0	0
03-20-66 1450228 6022358 5-73					8		16,894	3.49	590						
1493682 PACLAMAR TRIUNE PROPER.....		1	25	1-47	25	1.4	14,736	3.44	507	16	23	+306	-.01	+9	+17
02-01-66 1450228 5556059 5-73					7		13,313	3.47	462						
1493686 PACLAMAR CITATION M.....*	31-02	444	5	39-23,31,	987	1.4	16,112	3.67	591	12	97	+1,015	+.06	+46	+68
09-25-65 1492073 4141507 5-73				43,55,56	25		15,144	3.61	546						
1493688 PACLAMAR REFLECTOR MAMMOTH....*		1	14	1-86	14	1.4	13,851	3.67	509	36	22	-718	+.07	-16	-35
01-13-66 1381027 5925790 5-73					38		17,519	3.40	596						
1493737 LAWNACRES PONTIAC TILLIE.....		1	11	1-42	11	1.8	14,012	3.56	499	27	22	-219	-.01	-10	-15
C1-28-66 1397752 5325012 5-73					10		15,089	3.67	554						
1493741 ARKEN GRAY VIEW REGAL.....		2	8	1-42	10	1.6	12,047	3.60	434	0	23	-201	+.02	-5	-10
10-04-65 1334642 5423687 1-73					14		12,783	3.54	453						
1493743 ANOKASTAT TOP PERFECTION.....	41-01	116	2	6-35,41,	154	1.4	15,051	3.63	546	16	89	+127	+.03	+9	+11
08-24-65 1307195 4273346 5-73				42,45,46	17		14,965	3.60	538						
1493749 ARHAVEN GOVERNOR MARQUIS.....*		2	10	1-35	12	2.0	15,407	3.71	571	27	25	-211	-.02	-11	-15
01-17-66 1459996 5411920 5-73					19		16,470	3.83	630						
1493762 OOERFERTS ORMSBY SPARTAN.....*		3	9	3-32,35,	12	1.1	14,031	3.64	511	22	23	-8	.00	0	0
10-15-65 1446158 5626115 9-72				55	14		14,035	3.68	517						
1493784 BURKE SUNNY OAK DUKE POSCH....		1	26	1-42	26	2.0	12,546	4.09	513	12	26	-283	+.04	-5	-13
12-11-63 1216567 4722885 5-73					7		13,559	3.95	536						
1493809 MARGEO BESS SILVER.....*		1	20	1-42	20	1.3	16,230	4.07	661	25	22	-268	+.02	-7	-14
11-03-65 1311564 5037062 1-73					18		17,769	4.04	718						
1493827 APACHE TEXAL TOM-TOM.....*		4	20	2-32,86	27	1.3	13,381	3.36	450	50	28	-581	+.03	-17	-32
01-24-66 1452836 5864373 5-73					112		15,545	3.30	513						
1493835 PAPPYS SILVER NEO.....*		3	14	1-93	29	1.6	18,878	3.33	628	0	38	+260	-.09	-4	+5
12-29-65 1435690 4159476 5-73					75		18,611	3.52	655						
1493859 LIME HOLLOW BURKGOV SHINE-TWIN	35-75	26	2	11-21,31,	35	1.5	16,798	3.66	615	19	65	+64	+.05	+10	+10
12-08-65 1038509 4937337 5-73				35,55,93	82		16,955	3.59	608						
1493863 UNH KING NOBLEMAN.....*		1	10	1-12	10	1.3	15,013	3.82	574	0	19	-106	+.03	+1	-2
C2-26-66 1454800 3919415 1-73					57		15,707	3.64	572						
1493869 AIRY RIDGE CHARITY MONCADER...*	21-10	39	1	6-11,13,	42	1.8	15,164	3.58	543	15	72	-240	+.02	-6	-12
12-03-65 1235822 4959345 5-73				14,15,21	29		15,622	3.57	557						
1493882 BRISTOL ECHO DANOY.....*		5	3	2-71,73	10	1.4	14,653	3.46	507	25	31	-222	+.02	-5	-11
10-05-65 1434688 4187355 5-73					29		15,492	3.41	529						
1493892 MAPOVAL GENERAL MARK.....*		5	8	2-71,73	15	1.1	17,631	3.61	636	50	27	+145	+.04	+11	+13
03-08-66 1455868 5068407 5-73					17		17,402	3.47	603						
1493942 TONY SKY LORD ROCKET.....		1	10	1-45	10	1.6	12,892	3.65	471	56	20	-77	+.02	0	-2
09-16-65 1472658 5762751 5-73					4		13,155	3.57	470						
1493951 NSH MINOT JOBURKE STAR.....		1	18	1-47	18	1.2	13,471	3.73	503	29	22	-115	+.01	-3	-6
11-19-65 1462196 6073768 5-73					13		13,964	3.72	520						
1493964 WEISS-ACRES IMPERIAL ROCK.....*		2	17	1-21	19	2.1	13,570	3.70	502	24	27	-437	+.08	-5	-17
04-10-64 1389850 5651602 5-73					39		15,293	3.44	526						
1493973 AASEN ORLO ORCA-TWIN.....	21-10	36	1	6-11,12,	36	1.9	16,024	3.53	565	3	70	+511	-.09	+5	+20
11-14-65 1348259 4449413 5-73				13,14,21	27		15,389	3.65	562						
1493974 AASEN ORLO ORACLE-TWIN.....*	21-10	43	1	7-11,12,	45	1.8	15,011	3.61	542	12	74	-249	+.04	-3	-10
11-14-65 1348259 4449413 5-73				13,14,21	27		15,455	3.56	550						
1494011 M JAYBEE PONTIAC PINE CHIPS...		1	45	1-93	45	1.5	17,590	3.87	680	5	26	+332	-.03	+7	+16
C9-06-65 1391977 5414850 5-73					20		16,530	4.03	666						
1494014 BEAU INCOMPARABLE.....*		24	1	6-32,35,	30	1.6	14,257	3.70	527	12	63	-291	+.05	-4	-12
07-10-65 1378365 5817563 5-73				41,42,74	18		14,761	3.63	536						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HO	STATES WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS HM/DAU	REC/DAU HEROMATE	MILK	% MILK	FAT	% FAT	1ST INC	REPT %	PREDICTED DIFFERENCES MILK	% MILK	FAT	FAT $$
1494020 TORKS SHAVERSIDE SUGAR LEE....		1	13	1-43	13	2.3	13,773	3.59	495	0	24	+167	-.03	+1	+6
04-30-65 1424932 5605554 5-73					12		12,929	3.76	486						
1494044 WALHOWOOD YEOMAN LION.....*		7	7	1-21	22	1.5	14,304	3.77	539	14	41	-218	+.03	-4	-10
11-02-65 1416113 4909398 1-73					37		14,892	3.73	555						
1494058 WINTERIDGE KENNEDY LYNDON.....*		1	10	1-21	10	1.7	20,745	3.26	676	10	21	+539	-.05	+12	+26
11-16-65 1389471 5226540 5-73					27		18,587	3.37	627						
1494059 POLANO ADMIRAL CHIEF.....		1	20	1-52	20	1.4	12,907	3.62	467	6	23	-24	+.02	+2	+1
11-06-65 1237057 4202210 5-73					41		12,862	3.52	453						
1494079 RIVER ROAD INKA WAYNE.....*		1	14	1-23	14	1.6	12,775	3.59	458	25	22	-111	.00	-4	-7
08-20-65 1446678 5230330 5-73					41		13,151	3.63	477						
1494119 ZANHAVEN SKYLINER KING.....*		9	3	2-23,31	15	1.3	15,997	3.74	598	15	40	+286	+.01	+12	+19
11-08-65 1244845 4899501 5-73					14		15,386	3.72	573						
1494137 METCALFS RAG APPLE TRIUMPH....	21-10	43	1	6-11,13,	46	1.8	15,500	3.48	540	10	74	-33	-.08	-13	-12
09-03-65 1215995 4858684 5-73				14,16,21	29		15,674	3.60	564						
1494151 WESTPORT POSCH MUTUAL.....		1	58	1-93	58	1.3	14,999	3.54	531	68	25	-967	+.07	-25	-50
12-15-64 1284782 4088253 5-73					147		19,334	3.35	647						
1494160 HOLMAOE PENSTATE LORENZ STAR..		1	13	1-41	13	1.9	11,918	3.80	453	0	23	-217	+.04	-2	-8
01-22-66 1410984 5586727 5-73					12		12,691	3.63	461						
1494164 THAYBEN ROYAL HEAOMASTER.....*		3	7	2-12,13	10	1.5	15,113	3.51	531	10	24	-42	-.03	-6	-6
10-08-65 1349029 4899764 5-73					24		15,389	3.67	565						
1494192 KYLANO GRAND FELLOW.....*		1	33	1-35	33	1.9	14,972	3.63	543	3	27	+56	-.02	-1	+1
03-10-65 1293254 4588404 5-73					36		14,803	3.73	552						
1494213 MATTOCKS FARM WIN DELIGHT-TWIN*		3	5	2-21,23	10	1.2	14,364	3.61	518	10	26	-45	-.01	-3	-4
01-11-66 1243697 5011124 5-73					20		14,558	3.66	533						
1494227 WILLOW FARM REFLECTION DUKE...*		5	16	3-11,16,	23	1.7	15,765	3.41	537	14	31	-19	-.05	-8	-7
01-01-66 1459996 4408525 5-73				21	20		15,991	3.56	570						
1494232 EDGEWOOD RUBE.....		4	9	2-41,45	14	1.6	14,860	3.57	530	21	28	+429	+.02	+18	+28
12-26-65 1449841 6072751 5-73					13		13,205	3.48	459						
1494238 MACHOLO MARQUIS POSCH.....*		1	12	1-21	12	1.8	16,436	3.27	537	17	22	+285	-.06	+1	+9
12-15-65 1459996 3855766 5-73					50		15,250	3.51	536						
1494253 STALLINGS SKYLINER OARL.....	41-01	28	1	3-41,46,	30	1.1	14,642	3.46	507	15	60	-214	-.05	-15	-19
06-16-65 1244845 4434257 5-73				87	19		15,065	3.55	535						
1494295 OUQUAINE LEADER JUNE JESS.....*		2	12	2-35,81	14	1.5	14,054	3.35	471	10	23	-22	-.02	-4	-4
07-15-65 1222726 3978454 1-73					17		14,125	3.46	489						
1494216 MONITREE MARQUIS GOLO.....*		1	10	1-31	10	1.7	16,369	3.62	593	11	21	+380	.00	+14	+23
09-09-65 1459996 4802475 5-73					21		14,549	3.62	527						
1494320 RICH-LO CONRAD OLIVER HOPE....*		1	15	1-35	15	1.5	15,882	3.73	593	36	22	+107	-.02	+1	+4
01-02-66 1243697 5025788 5-73					26		15,524	3.85	597						
1494348 CRESCENT BEAUTY HORIZON.....*		3	20	2-32,35	25	1.4	13,206	3.88	513	16	28	-567	+.04	-15	-29
02-02-66 1080108 5466412 5-73					17		15,352	3.76	578						
1494349 REESON LEADER PRINCE.....		1	44	1-41	44	1.8	12,948	3.65	473	18	27	-198	.00	-7	-12
10-19-65 1216957 4517782 5-73					15		13,614	3.67	500						
1494355 ROMIST FURY NUERA.....*		3	7	1-31	10	1.4	13,524	3.76	509	50	24	-313	+.01	-10	-18
01-01-66 1381027 5399926 1-73					24		14,938	3.74	558						
1494358 CEDAR GROVE SKY KING.....*		11	5	1-55	23	1.6	17,377	3.31	575	6	46	+554	-.11	+3	+19
04-15-65 1244845 5185676 5-73					31		16,358	3.52	575						
1494360 HALTERMAN ROBURK MELODY MASTER	35-75	28	1	11-32,35,	33	1.6	17,770	3.55	631	10	65	+913	-.04	+27	+50
12-09-65 967873 5003478 5-73				55,91,93	64		16,595	3.60	598						
1494377 AR-NOR-AL MAYERS OICK.....*		1	15	1-35	15	1.1	16,651	3.54	589	13	20	-1	.00	0	0
10-01-65 1461491 5041394 5-73					28		16,915	3.56	602						
1494395 LO-PINE SKYLARK APOLLO.....*		3	7	2-21,63	10	1.3	18,138	3.66	663	10	23	+192	+.02	+10	+14
08-17-65 1239242 5590082 1-73					27		17,633	3.57	630						
1494403 NO-NA-ME MATTY MATT.....*		2	11	1-84	16	1.3	14,663	3.68	540	31	26	-189	+.01	-5	-10
10-26-65 1382858 4913349 5-73					11		15,503	3.67	569						
1494414 GREENWOOD-R MAPLE TOM.....*		6	2	2-35,55	11	1.6	16,827	3.56	599	10	36	+532	-.03	+15	+28
11-07-65 1386406 5527934 5-73					18		15,445	3.63	561						
1494450 SHJR-POLL TROPHY PROGRESS.....*		2	11	2-41,45	13	1.1	15,525	3.63	564	25	21	+282	-.03	+6	+13
02-16-66 1279715 4630365 5-73					20		14,166	3.78	536						
1494466 ANEDAW SIGNET JAN.....*		2	6	2-34,41	11	2.2	13,862	3.50	485	0	31	+38	-.03	-3	-1
06-20-65 1435523 4506178 5-73					9		13,666	3.62	495						
1494468 ANEDAW SIGNET BERT.....*		1	11	1-41	11	1.9	15,276	3.55	543	20	22	+32	+.01	+3	+3
08-23-65 1435523 5306582 5-73					19		15,211	3.50	532						
1494478 RAY-CLEF CARNATION ORMSBY MARV*		5	16	2-42,47	33	1.5	13,076	3.89	509	14	37	-389	+.10	0	-12
10-15-65 1315612 4745187 5-73					36		14,108	3.59	507						
1494483 WILBERN CHAMPION MIKE.....		1	25	1-41	25	1.8	13,007	3.74	487	21	25	-130	-.01	-6	-9
10-13-65 1442039 5829642 5-73					13		13,430	3.84	516						
1494508 HOWACRES GRANDIER PIONEER-TWIN*	23-13	55	2	5-21,22,	82	1.7	14,846	3.53	524	8	81	+12	-.11	-15	-12
10-21-65 1277619 4820039 5-73				51,52,54	34		14,880	3.68	547						
1494514 STAROELL CRUSADER PREDICTION..	35-21	23	1	3-35,41,	24	1.5	14,691	3.83	562	22	58	-58	+.11	+13	+9
11-15-65 1179373 4744602 5-73				42	19		14,837	3.65	542						
1494545 CRESCENT BEAUTY LINCONOA MAJOR		2	12	1-42	17	1.1	11,259	3.67	413	21	25	-663	+.01	-23	-39
10-11-65 1452497 5984407 5-73					7		13,885	3.67	509						
1494548 OON-SAWYER POLKADOT ROYAL.....*		4	8	1-21	14	1.4	13,677	3.59	491	54	29	-131	+.02	-2	-6
11-17-65 1180488 4866318 5-73					11		14,107	3.53	498						
1494585 OUEAMEADE BILL SEQUOIA.....*		7	3	1-23	14	1.7	13,281	3.83	508	17	40	-266	+.04	-4	-11
09-10-65 1289173 5028602 5-73					35		13,894	3.74	520						
1494588 GERART ROYAL SUNSHINE.....		1	11	1-42	11	1.6	15,200	4.00	609	0	21	+150	+.03	+10	+13
03-18-66 1406271 5693758 5-73					23		14,495	3.91	567						
1494593 CLINTON CAMP OAUNTLESS TIOY...*		9	6	1-21	28	1.4	18,394	3.69	678	15	47	+748	+.08	+39	+55
01-07-66 1199077 5024776 5-73					38		17,074	3.53	603						
1494597 MERIWETHER JUANITO.....	33-03	70	2	17-21,23,	100	1.2	14,502	3.85	559	26	82	-375	+.19	+13	-1
11-22-65 1378594 4477691 5-73				35,41,93	25		15,025	3.63	546						
1494610 RUSTIC MAJOR TROJAN.....		1	22	1-34	22	1.4	15,626	3.58	559	0	23	-239	-.01	-10	-15
06-18-65 1447205 4469537 5-73					9		16,929	3.64	617						

REGISTRATION NUMBER / NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HO	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS HM/DAU	REC/DAU HEROMATE	MILK	% MILK	FAT	% FAT	% 1ST INC	% REPT	PREDICTED DIFFERENCES MILK	%	FAT	$$
1494611 RUSTIC PONTIAC LAD.....		1	28	1-34	28	1.0	13,478	3.72	502		0	22	-55	.00	-2	-3
10-24-65 1397752 5160729 5-73					30		13,656	3.76	513							
1494613 LABRADOR STAR MAN ROBERT.....		2	8	1-21	10	1.7	19,962	3.13	624		0	23	+679	-.11	+8	+27
10-09-65 1410984 5307279 5-73					27		17,256	3.46	597							
1494620 BRJOKFIELD BARON LAIRD.....*		1	13	1-52	13	1.7	17,217	3.41	587		8	22	+241	-.05	+2	+9
10-06-65 1308796 5621262 5-73					71		16,327	3.57	583							
1494637 KYLAND RADIANT SON.....*		2	10	1-34	12	1.3	15,307	3.60	551		0	22	+154	-.01	+4	+8
01-22-66 1388256 5050827 5-73					17		14,634	3.66	535							
1494639 AJRF GLAMOUR BOY ABC HECTOR...*		3	28	2-84,93	39	1.7	15,336	3.68	564		13	32	+10	.00	+1	+1
02-21-65 1282185 4600738 5-73					86		15,406	3.67	565							
1494650 AL-MUR META JEWEL.....*		4	10	2-42,74	15	2.0	15,840	3.72	589		17	30	-30	-.01	-3	-3
01-23-65 1314449 5054410 5-73					13		16,119	3.80	612							
1494656 OALE DELIGHT STANDARD WRIGHT..		2	9	1-42	17	1.7	13,051	3.40	444		25	32	-267	.00	-10	-16
12-22-65 1373055 5049615 5-73					17		13,838	3.43	474							
1494672 JOKI FAITHFUL LAD.....		1	13	1-43	13	1.2	14,560	3.61	525		8	20	-33	+.01	0	-1
07-05-65 1434456 5329034 5-73					5		14,764	3.59	530							
1494674 EVERTOPS JUDGE.....*		4	4	1-35	10	1.2	11,345	3.75	426		29	27	-303	+.01	-9	-17
10-24-65 1434967 5893326 5-73					22		12,278	3.71	456							
1494698 DIX PANSY COMET.....*		2	8	1-35	10	1.0	13,202	3.65	482		0	20	+148	.00	+5	+9
03-04-66 1304384 4975382 5-73					19		12,229	3.69	451							
1494734 UTAHNA PIKE.....		1	17	1-87	17	1.1	14,458	3.36	486		18	21	+264	-.02	+7	+14
03-28-66 1430368 5490653 1-73					8		13,037	3.42	446							
1494749 GWENDALE ELEVATION BUTTERFLY..*		1	25	1-55	25	2.2	16,291	3.46	563		8	27	+276	+.01	+11	+17
05-10-65 1271810 4759490 5-73					24		15,369	3.40	523							
1494774 RAVENDALE R PRINCE SENATOR....		2	26	1-33	28	1.9	15,157	3.73	565		12	28	-17	-.02	-4	-4
03-20-65 1233704 5015273 5-73					53		15,316	3.85	590							
1494804 ARN HERM IVANHOE LEADER-TWIN..	31-07	19	1	4-31,33,	25	1.3	14,639	3.85	564		17	56	-69	+.13	+16	+11
12-07-65 1189870 4920178 5-73				61,84	27		14,804	3.63	537							
1494828 ORILAKE ASTRONAUT CHIEF.....*		2	17	3-23,51,	26	1.9	15,787	4.18	660		8	33	+89	+.14	+23	+22
12-17-65 1458744 4649815 5-73				54	42		15,644	3.82	598							
1494832 GREEN GOLD TIP TOP PRINCE.....*		3	14	3-11,12,	18	1.7	15,478	3.64	563		29	27	-104	-.02	-7	-9
07-30-65 1414917 5644685 5-73				16	39		16,029	3.75	601							
1494843 FERTILE-MEADOWS UTOPIA JOHN W.*		2	26	2-35,41	28	1.1	13,118	3.99	523		25	24	-296	+.04	-5	-13
03-25-66 1452852 4625574 1-73					31		14,364	3.83	550							
1494845 HAYSSEN A B C MARKSMAN.....*		6	6	4-33,43,	14	1.1	15,367	3.48	535		57	30	+5	-.02	-3	-2
03-14-66 1412432 4055581 5-73				48,63	59		15,458	3.58	553							
1494859 U-T PIONEER EMPEROR.....	61-02	27	4	3-52,63,	75	1.5	13,820	3.64	503		10	74	-402	+.02	-12	-22
11-11-65 1352953 5442858 5-73				72	34		14,358	3.62	520							
1494884 EMPIRE SMOKEY IDEAL.....*		6	6	2-21,23	19	1.3	14,020	3.62	508		27	38	+62	+.04	+8	+8
01-03-65 1436258 5023646 5-73					36		13,799	3.51	484							
1494891 HARMONY CREST G B ROMEO.....		1	12	1-52	12	1.8	15,640	3.92	590		17	22	-105	+.08	+7	+3
10-20-65 1282185 4159125 5-73					34		15,659	3.60	564							
1494903 DIMDEN COUNT MAY DEAN.....		2	14	1-35	27	1.8	13,254	3.48	461		17	36	+97	-.03	-1	+2
02-11-65 1436607 4861803 5-73					23		12,828	3.60	462							
1494904 UNANGST CHIEFTAIN KING.....*		1	12	1-22	12	1.3	13,849	3.63	503		20	20	-210	+.03	-4	-10
12-26-65 1347940 5746341 5-73					27		14,951	3.55	531							
1494905 MCI GRAND KING VALE.....*		3	6	1-31	17	1.6	16,579	3.17	526		6	36	+627	-.12	+5	+23
03-03-65 1314488 4031315 5-73					37		14,871	3.43	510							
1494938 ROBTHOM DALE SOVEREIGN.....		1	20	1-43	20	1.2	13,915	3.77	525		10	22	-541	.00	-20	-33
04-15-65 1341975 4793026 1-73					3		16,612	3.80	632							
1494999 DOUG-MAR MARQUIS REFLECTION...*		3	5	1-34	10	1.3	14,055	3.35	471		0	25	-25	-.04	-7	-6
03-28-66 1459996 5642184 5-73					27		14,133	3.54	501							
1495002 BELLA VISTA SKY X SIR ECHO....*		1	10	1-34	10	1.2	13,991	3.86	540		0	19	-48	+.02	+1	-1
01-02-66 1441148 4790762 1-73					39		14,241	3.76	535							
1495007 SUNNYSIDE X LOPEZ.....*		5	7	1-35	14	1.5	14,809	3.79	561		23	30	-278	+.04	-4	-12
11-12-65 1255434 5920278 1-73					18		15,935	3.68	585							
1495015 AUFDERMAUR STAR MAN.....		1	16	1-93	16	1.1	19,480	3.29	640		7	20	+245	-.01	+8	+14
12-15-65 1410984 5351032 5-73					85		18,732	3.27	611							
1495039 FO-MA-TO-SA EXCELLENCY.....*		1	12	1-48	12	1.1	15,723	3.40	534		**	19	-13	-.04	-6	-5
10-15-65 1381027 5071358 1-73					19		15,952	3.60	575							
1495063 POMPEY HOLLOW DUKE FERDINAND..		2	17	1-16	19	1.8	13,946	3.92	546		11	26	-317	+.08	0	-10
10-22-65 1432733 5343755 5-73					46		15,243	3.60	549							
1495083 OAKRILL PABST JILLIE.....*		2	16	1-41	18	1.4	15,534	3.87	601		18	24	+208	+.07	+18	+21
02-02-66 1242338 5616770 5-73					10		14,696	3.58	526							
1495101 ROCK LINE PETER HOPE.....*	21-10	45	1	6-12,13,	48	1.9	16,481	3.51	578		5	75	+659	-.09	+10	+28
12-21-65 1307195 4385460 5-73				14,16,21	25		15,735	3.62	569							
1495115 MAYLEANNE ATLAS.....*		3	5	2-12,55	10	1.6	14,065	3.83	539		11	27	-112	+.03	0	-3
12-14-65 1338594 5524443 9-72					46		14,501	3.75	544							
1495127 LOCUST PEAK BURKE MODEL.....	31-07	28	2	3-31,33,	42	1.6	16,015	3.23	517		10	68	+480	-.22	-15	+2
12-10-65 1035164 4982581 5-73				61	25		15,408	3.52	543							
1495135 UTAG IVANHOE SIZZLER.....	35-75	49	2	16-21,35,	68	1.5	16,822	3.70	623		5	78	+891	+.10	+48	+66
01-04-66 1189870 5807050 5-73				41,55,87	49		15,815	3.58	566							
1495154 PALO DURO GOLDEN PICA PIONEER.		1	15	1-73	15	1.2	14,181	3.64	516		22	21	-350	+.03	-9	-18
02-14-66 1352953 5253385 5-73					6		16,041	3.55	570							
1495162 WALDAC DON PABLO.....*		1	16	1-22	16	1.9	16,406	3.58	587		0	24	-66	+.02	0	-2
12-20-65 1213135 5878592 5-73					37		16,940	3.51	595							
1495167 LOGIL PATRICIAN.....		12	15	4-57,61,	38	1.4	15,562	3.33	518		9	42	+186	-.03	+3	+8
07-09-65 1098656 5488600 1-73				63,65	33		15,193	3.35	509							
1495173 OLO-LYNDANE CRISSCROSS LEO....		2	13	1-61	15	1.9	14,502	3.50	507		7	26	-43	.00	-2	-3
11-15-65 1378594 4865788 5-73					20		14,701	3.53	519							
1495186 NESRETEP DOUBLE PABST.....		1	24	1-42	24	1.8	15,961	3.59	573		8	25	+239	+.02	+11	+16
10-13-65 1333705 5510425 5-73					45		15,069	3.50	528							
1495195 PLEVKE CLOVERBROOK REGAL PETE.		1	12	1-41	12	1.3	14,662	3.92	575		25	20	+65	+.05	+10	+10
01-29-66 1315612 5762704 5-73					30		14,329	3.65	523							

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	DAUS	REC/DAU HM/DAU	DAUGHTERS AND HERDMATES ... MILK HEROMATE MILK	% MILK	% FAT	FAT INC	% REPT	PREDICTED DIFFERENCES MILK	%	FAT	$$
1495200 IOF SUNSHINE JD.....		1	15	1-64	15	1.3	15,029	3.47	521	0	21	+287	-.04	+4	+12
03-13-66 1436271 5842126 5-73					57		13,595	3.68	500						
1495202 MURDC PIONEER ADELE ANDY.....*		3	5	1-21	12	2.1	15,638	3.63	567	10	34	-235	+.05	-2	-9
12-21-65 1292880 4079776 5-73					53		16,549	3.52	583						
1495209 WOOD MILL ABBEKERK MARQUIS....*		4	18	2-16,61	23	1.8	13,421	3.62	486	22	29	-376	-.01	-15	-24
08-25-65 1459996 4274159 5-73					22		14,751	3.68	543						
1495250 OARK VALLEY TRIUNE MDOEL.....*		2	9	1-51	17	1.2	14,539	3.45	501	25	30	-279	-.09	-23	-27
01-27-66 1346850 5086233 5-73					22		15,597	3.76	587						
1495252 PAWNEE FARM SUPREME ACE.....*		22	4	3-35,41,	44	1.5	14,120	3.57	504	24	63	-517	-.07	-28	-39
08-21-65 1347065 5712985 5-73				42	19		15,004	3.69	553						
1495254 E-Z ACRES PATRIOT.....*	35-75	22	1	9-21,23,	26	1.6	16,543	3.47	574	0	60	+720	-.11	+10	+30
02-22-66 1348259 4993186 5-73				35,57,93	52		15,440	3.64	562						
1495314 OARMONT CRUSADER RAVEN STAR...*		11	9	1-35	37	1.6	14,295	3.64	521	13	50	-554	+.01	-19	-32
08-02-65 1339836 4969530 5-73					22		15,526	3.65	567						
1495315 OUNGA BROOK ABBIE DEAN.....	35-75	31	2	9-21,33,	42	1.8	15,812	3.60	569	10	71	+464	.00	+16	+27
08-24-65 1179372 4981122 5-73				41,55,93	68		15,241	3.60	549						
1495317 FRANCIE MRH PAT.....*		2	8	1-55	14	2.1	12,745	3.55	452	25	32	-540	+.02	-17	-30
09-22-64 1291498 5409724 5-73					29		14,451	3.52	508						
1495342 WELK ACRES REFLECTION ODNOI...*		1	11	1-23	11	1.1	12,750	3.45	440	36	19	-108	-.01	-5	-7
10-21-65 1352660 5426500 9-72					17		13,221	3.54	468						
1495351 ESMUR-ODWNS PET FANCY KING....*		7	4	4-41,42,	12	1.1	15,575	3.44	536	27	31	-112	-.09	-17	-17
03-10-66 1397054 6063050 5-73				45,47	18		16,111	3.74	602						
1495362 ROSEDALE BARON BEE VALOR.....*		3	7	2-52,57	10	1.8	17,200	3.11	535	0	26	+391	-.09	+1	+13
12-18-65 1308796 5032633 5-73					16		15,820	3.38	534						
1495373 GREEN NOTCH ORMSBY IVAN RISE..*		4	3	1-35	10	1.6	14,297	4.23	605	0	31	-191	+.12	+10	+2
11-11-65 1447502 4637434 5-73					27		14,969	3.87	580						
1495385 WILBERN SKYLARK BOB.....*		2	10	1-41	12	2.0	12,681	4.35	551	0	25	-138	+.06	+4	-1
12-27-65 1287090 4924763 5-73					15		13,113	4.09	536						
1495387 VALLEY CREST IVAN NELL PETE...*		4	6	1-13	15	2.4	14,702	3.68	541	8	38	+100	+.02	+7	+9
03-03-65 1397406 5135062 5-73					38		14,446	3.63	524						
1495441 BACONFARM PRIDE ADMIRAL.....		2	13	1-42	15	2.1	12,189	3.76	458	0	26	-92	+.06	+5	+1
09-01-65 1237057 5856257 5-73					8		12,342	3.48	429						
1495442 DIAMOND J DUSTY FRANCHISE.....*		4	20	3-52,86,	29	1.9	17,492	3.76	657	12	33	+56	+.08	+13	+12
10-24-65 1205185 5216818 5-73				93	119		17,646	3.56	628						
1495447 DIAMOND J IVANHOE POTENTATE...*	93-15	42	17	5-31,84,	199	1.2	16,890	3.60	608	13	76	-27	+.05	+6	+4
11-11-65 1169870 4315610 5-73				91,92,93	72		17,209	3.54	609						
1495453 VALLEY-GOLD PROFILE S BERT....		2	14	1-85	16	1.0	16,199	3.34	541	31	21	-16	-.02	-3	-3
09-07-65 1418954 5746909 9-72					453		16,489	3.41	563						
1495471 WINSOR ACRES PERCY DRLD.....	21-10	40	1	6-11,12,	42	1.9	16,251	3.54	575	13	73	+647	-.06	+15	+32
01-12-66 1348259 5243436 5-73				13,14,21	23		15,467	3.61	558						
1495481 WAL-CO-FARM ARTHUR REFLECTION.*		7	15	4-33,35,	25	2.0	15,957	4.04	645	0	35	+243	+.02	+11	+16
07-08-65 1445718 5683199 5-73				47,63	28		15,356	4.07	625						
1495485 HACK ELEVATION MADAM MONDAY...		2	11	1-43	18	1.9	14,226	3.42	486	6	32	+223	-.08	-4	+3
03-16-65 1271810 5248193 5-73					43		13,436	3.71	498						
1495486 HACK CYCLONE BURDOCK.....*		2	8	1-43	10	1.8	15,944	3.37	537	25	23	-139	-.04	-11	-13
09-22-65 1241487 4078661 5-73					22		16,791	3.56	597						
1495497 CHAMBRIC MAGICIAN BARON.....		5	13	5-31,32,	20	1.6	14,478	3.55	514	15	30	-111	.00	-4	-7
12-29-65 1138451 6059041 5-73				35,52,56	23		14,903	3.58	533						
1495537 SMITHOLM CHAMBRIC LUIS.....*		5	27	1-93	48	1.5	11,757	3.85	453	6	36	-960	+.08	-24	-49
11-20-65 1425137 5761834 5-73					53		14,398	3.63	523						
1495540 CLOVERBROOK PRINCE ORMSBY JAY.*		9	1	4-35,42,	10	1.6	12,393	3.60	446	0	36	-509	+.02	-16	-29
07-17-65 1315612 4133180 1-73				43,47	13		13,727	3.58	491						
1495563 DALANO MARQUE LUCAS.....		4	18	2-23,51	27	1.9	14,414	3.78	545	0	33	+234	.00	+8	+14
09-16-65 1459996 5349771 5-73					79		13,615	3.81	519						
1495582 WILLARDS CRISSCROSS FOREMOST..*		8	3	3-33,35,	16	1.2	12,538	4.04	507	50	39	-1,195	+.15	-23	-55
01-21-65 1441253 6236759 5-73				64	116		15,712	3.65	574						
1495598 TIHO POSCH PONTIAC ARAB.....*		4	6	1-84	11	1.8	19,441	3.55	691	10	28	+642	-.03	+18	+34
02-19-66 1435684 5208363 5-73					35		17,491	3.66	640						
1495672 PECAN-GROVE G-BOY.....		6	11	1-74	19	1.3	15,214	3.50	533	21	30	-8	+.02	+2	+1
12-25-65 1282185 4983469 5-73					28		15,338	3.44	528						
1495683 GEM-HILL IDEAL FURY.....*		1	10	1-31	10	1.5	14,488	3.61	523	0	20	-150	.00	-5	-9
02-09-66 1351027 4186162 1-73					18		15,337	3.64	559						
1495697 GOLDEN OAKS PRINCE.....		6	9	4-33,35,	26	1.8	15,732	3.32	521	8	42	+407	-.13	-5	+8
03-06-66 1315612 4614368 5-73				61,74	42		14,773	3.64	538						
1495705 TARA-HILLS GOVERNOR.....		3	7	1-51	12	1.3	15,399	3.64	561	18	26	-359	-.03	-17	-25
01-22-65 1441973 5685624 5-73					36		17,057	3.78	645						
1495723 BAJGO VALLEY GRAND SENATOR....*		3	7	1-32	10	1.5	13,745	3.90	536	0	24	-59	+.04	+4	+1
12-06-65 1252985 4350329 9-72					10		13,948	3.74	521						
1495765 MERIWETHER CHRISTOPHER MARTIN.		1	10	1-35	10	1.7	15,194	3.63	551	11	21	-3	-.01	-2	-2
11-25-65 1459335 5659851 5-73					6		15,307	3.74	572						
1495772 ROYVIN PETRUS LAUREL.....		2	39	1-42	41	2.0	14,649	3.73	547	5	29	-173	+.06	+2	-4
08-30-65 1422258 5522308 5-73					36		15,351	3.54	543						
1495780 JAMESTOWN SENATOR BURKE.....		4	8	2-41,42	19	2.7	13,733	3.71	509	0	39	-464	+.04	-11	-23
09-25-64 1252985 4025482 5-73					15		14,974	3.62	542						
1495785 WILLOW FARM ANCHOR BOBO.....*		1	45	1-11	45	1.1	15,871	3.60	571	28	24	+214	-.04	+2	+8
11-15-65 1458879 5890965 1-73					17		15,034	3.77	567						
1495798 STARDELL REFLECTOR BATMAN.....*		12	2	2-35,42	15	1.3	13,567	3.71	503	27	42	-366	+.03	-9	-18
03-10-66 1298430 4545588 5-73					13		14,444	3.66	528						
14958C8 REXSON MARQUIS GEORGE.....*		5	9	2-21,23	27	1.3	13,976	3.47	485	17	40	-197	-.01	-9	-13
01-02-66 1459996 5781261 5-73					28		14,488	3.51	509						
1495815 UMBRIAN MARK VAR DEE MAPLE....*		1	15	1-23	15	1.5	14,476	3.67	531	8	22	-37	+.01	0	-1
03-30-66 1386406 4810892 5-73					15		14,675	3.64	534						
1495823 OVERKRIK GALLANT PIERRE.....*		1	21	1-35	21	1.7	17,725	3.54	628	14	24	+328	+.01	+14	+21
09-22-65 1329588 3714159 5-73					13		16,578	3.48	577						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS	REC/DAU	HM/DAU	HEROMATE	MILK	%	FAT	% 1ST INC	% REPT	PREDICTED DIFFERENCES MILK	%	FAT	$$
1495832 SHELAND ORLO BELMASTER.....	35-75	32	2	13-35,41,	43	1.5		16,175	3.51	568	10	70	+457	-.10	+2	+15
01-12-66 1348259 4600349 5-73				42,52,93	64			15,644	3.64	570						
1495833 STEWARTRIDGE ZIMM KNOB KING...*		2	8	1-23	13	1.4		14,163	3.57	506	**	26	+122	-.06	-4	0
11-22-55 1350676 5164558 5-73					36			13,610	3.85	524						
1495846 MAPLE MANOR GALLANT CASPER....		1	16	1-32	16	1.1		12,399	4.08	506	20	21	-72	+.03	+1	-1
03-24-66 1329588 5455875 5-73					13			12,570	3.98	500						
1495854 MONOPOLY WILBUR.....*		3	11	1-34	15	2.2		14,177	4.20	596	31	28	+195	+.13	+26	+27
11-15-64 1290182 5654720 5-73					32			13,376	3.75	502						
1495881 KEL-B IMPERIAL TRIUNE.....*	35-05	56	2	6-33,35,	81	1.5		16,423	3.61	593	19	81	+1,175	-.07	+31	+61
11-12-65 1242221 4556266 5-73				41,42,65	21			15,027	3.72	559						
1495897 OE METZELLAR MARQUIS JIM.....*		1	17	1-63	17	1.6		14,750	3.60	531	9	23	-140	+.01	-3	-7
12-12-65 1459996 5442568 5-73					20			15,469	3.57	552						
1495901 JUSTA-BEAUTY MARQUIS REFLECT..*		4	13	1-23	21	1.1		14,126	3.45	488	6	29	-51	-.08	-14	-13
03-02-66 1459996 4943634 5-73					29			14,298	3.78	541						
1495909 OOLVIC SPARKLER.....		2	11	1-35	17	1.9		14,877	3.99	593	13	31	-268	+.08	+1	-7
11-01-65 1419629 5929773 5-73					11			15,907	3.75	597						
1495925 CLAREVALE KNIGHT SHAMROCK.....		1	38	1-41	38	1.4		12,209	3.58	437	3	25	-335	+.01	-11	-19
02-17-66 1452134 5564003 5-73					4			13,477	3.59	484						
1495965 WEBB-VUE RAVEN OVATION.....		1	60	1-35	60	1.6		16,730	3.40	569	17	27	+75	-.09	-11	-7
07-13-65 1439142 4824381 5-73					10			16,677	3.74	624						
1495968 ROBEE ACRES SMOKEY MARK.....*		2	9	2-23,57	11	1.6		13,840	3.61	499	36	23	-249	-.02	-12	-17
08-17-65 1436258 5519392 5-73					35			14,973	3.75	561						
1495970 GREEN GOLD TIDY MASTER.....*	21-10	229	3	8-11,12,	410	1.2		15,501	3.47	538	17	94	-173	-.13	-25	-26
02-05-66 1189870 4143498 1-73				13,14,21	28			15,830	3.61	571						
1495985 KEN-MARK TOPCROSS.....*		5	10	1-41	24	2.0		13,810	4.34	600	4	40	-435	+.21	+13	-3
11-04-65 1378594 4914648 5-73					15			14,960	3.84	574						
1495998 ROMANOALE GOVERNOR SATURN.....*		12	11	2-14,21	33	1.9		15,059	3.53	532	17	46	-377	+.04	-8	-18
01-01-64 010283047 011736058 5-73					50			16,043	3.46	555						
1496032 LOCHLAND R A OALLAS.....*		1	22	1-41	22	1.2		13,196	3.54	467	5	22	-60	-.01	-4	-5
01-25-66 1402113 5979455 5-73					9			13,365	3.65	488						
1496059 WILLOWLYN MARQUIS BIG JOHN....*	35-21	5	24	3-32,52,	31	1.5		16,533	3.57	591	10	29	+119	-.02	+1	+4
12-14-65 1459996 4957839 5-73				55	54			16,319	3.64	594						
1496068 STRICKLER CHARMER ADAM.....*		12	7	2-41,42	24	1.6		15,551	3.75	583	13	44	-443	+.06	-7	-19
02-03-66 1357743 5710966 5-73					19			16,799	3.63	610						
1496096 MARCREST CARMICHAEL.....		1	32	1-93	32	1.9		17,128	3.26	559	9	27	+27	-.09	-12	-9
10-21-65 1459996 5620533 5-73					71			17,321	3.56	617						
1496099 SEQUOIA MARCREST CELEBRITY....		2	9	1-93	14	1.4		19,245	3.61	695	29	26	+404	.00	+14	+24
02-16-66 1381027 5849471 5-73					43			18,065	3.64	657						
1496102 AOJHR VICTOR MARVEL CREATION..*		1	18	1-93	18	1.7		13,926	3.51	489	22	24	-181	.00	-7	-11
11-03-65 1274685 5428437 5-73					386			14,723	3.55	523						
1496104 BERAROS ENSIGN MAJOR.....*		1	11	1-13	11	1.7		17,226	3.44	592	27	21	+356	-.05	+5	+15
09-14-65 1200082 5107348 5-73					36			15,695	3.66	575						
1496112 HEATHERSTONE RADIANT.....*		10	4	2-35,41	22	1.7		14,474	3.88	561	21	48	-454	+.11	-1	-15
11-03-65 1459382 4627505 5-73					16			15,532	3.67	570						
1496121 ROBSON ROMANOALE REFLECT OELL.*	35-75	1	61	1-74	61	1.1		18,468	3.42	631	9	24	+637	-.03	+18	+34
04-03-66 1459996 5174494 5-73					142			16,010	3.49	559						
1496129 SHETLARS MASTERSTROKE IDEAL...*		3	17	3-47,48,	21	1.6		14,270	3.63	518	10	27	-481	+.02	-14	-26
11-07-65 1404814 4130394 5-73				73	18			16,227	3.57	579						
1496133 GREEN HILL FARMS HOMARK.....*		2	20	1-34	33	1.2		14,551	3.81	554	3	32	-133	+.03	-1	-5
02-15-66 1459996 6233416 5-73					7			15,040	3.76	566						
1496144 MAPLECREST WIS INSIGNIA PEARL.	35-75	37	1	11-21,35,	45	1.3		17,641	3.61	636	20	70	+607	.00	+22	+36
03-09-66 1179372 4936960 5-73				41,91,93	60			17,042	3.60	614						
1496164 SAPA SKA TRIUMPH COMRE.....	35-21	45	2	5-35,41,	55	2.0		14,055	3.71	522	10	76	-479	+.03	-13	-25
06-09-65 1242338 4420356 5-73				42,46,47	20			14,717	3.69	543						
1496182 ROULETTE R A MARQUIS CYCLONE..*		4	17	2-35,85	24	1.3		15,497	3.97	616	21	29	+42	+.06	+10	+9
01-24-66 1459996 4924849 5-73					54			15,456	3.80	588						
1496195 VALLA VISTA KING SAUL.....*		8	7	1-32	29	1.4		15,333	3.64	558	18	47	-209	+.01	-6	-11
03-15-66 1371268 5026702 5-73					10			15,934	3.63	578						
1496235 AACC IVANHOE ROAMER.....*		1	12	1-35	12	1.8		16,043	3.58	574	20	22	-18	.00	0	-1
09-18-65 1447141 6014179 5-73					21			16,326	3.58	585						
1496243 STANWELL MAGROVE SKYLARK ECHO.	35-75	31	1	10-23,52,	37	1.5		16,394	3.61	592	19	67	+211	+.02	+11	+15
01-26-66 1239242 4773500 5-73				55,57,93	46			16,268	3.58	582						
1496244 HODOS CHERRY HILL MAGROVE RALF	21-10	50	1	7-11,13,	50	1.7		15,643	3.66	573	7	76	+239	+.05	+16	+20
03-01-66 1290716 4316209 5-73				14,15,21	25			15,431	3.60	555						
1496245 WAR-REN HEILO IMPERIAL OANOY..	35-75	28	1	10-21,34,	33	1.4		17,024	3.61	615	7	64	+636	.00	+23	+38
03-20-66 1242221 4225764 5-73				35,55,91	46			16,212	3.61	585						
1496251 GGG MARQUIS ROBURKE-TWIN.....		1	10	1-42	10	1.9		15,478	3.75	581	0	22	+125	+.02	+7	+10
07-17-65 1459996 4693276 5-73					4			14,961	3.70	553						
1496254 LOGWOOD T M IDEAL BURKE.....*		7	5	3-23,51,	24	1.3		13,756	3.61	497	17	45	-49	-.02	-4	-5
07-27-65 1440198 4864023 1-73				52	74			13,809	3.66	506						
1496256 SIOS BENEFACTOR.....		2	20	1-33	22	1.5		17,344	3.53	612	5	25	+196	-.01	+6	+11
01-01-66 1199324 5181563 1-73					17			16,802	3.54	594						
1496265 MARQUIS IDEAL LEADER.....*		3	9	1-21	14	1.1		15,001	3.40	510	8	25	+125	-.07	-5	0
03-22-66 1459996 5221595 5-73					27			14,515	3.69	535						
1496277 LONGLOOK MASTER ORR.....		1	10	1-21	10	1.4		15,197	3.80	577	0	19	+41	+.04	+7	+7
08-15-65 1348259 4465076 5-73					25			15,048	3.62	544						
1496286 WILLOW FARM LUCIFER ROBINHOOD.*	21-10	52	1	6-11,12,	57	1.5		15,012	3.65	548	12	77	-320	+.05	-4	-13
11-29-65 976709 4566478 5-73				13,14,21	29			15,547	3.60	559						
1496301 FUTURE HOPE FLICKA ROCKET....*	35-03	89	3	7-21,23,	152	1.1		14,996	3.58	537	17	86	-571	-.15	-42	-52
02-15-66 010252803 5288156 5-73				33,35,85	20			15,799	3.76	594						
1496307 MT-PLEASANT VERHOEF BESSIE BOY		1	14	1-42	14	1.5		11,978	3.65	437	31	22	-228	+.02	-5	-11
03-30-66 1347065 5543331 5-73					5			12,880	3.56	459						
1496310 CACHE ACRES OUBHE.....*		1	25	1-93	25	1.5		12,692	3.63	461	25	24	-435	.00	-15	-25
08-30-65 1445747 5764112 5-73					76			14,496	3.65	529						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HO	STATES WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS HM/DAU	REC/DAU HERDMATE	MILK	% MILK	FAT	% FAT	1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1496330 EIPPERHURST AOMIRAL INSIGNIA..	61-02	51	2	8-31,32,	70	1.7	15,136	3.45	522	12	79	+172	-.14	-14	-6
C5-21-65 1237057 4671977 5-73				33,35,61	22		14,977	3.63	543							
1496347 BEAVER-CREEK GEORGE.....	21-10	44	1	6-11,12,	49	1.5	14,894	3.58	533	21	73	-246	-.02	-11	-16
12-25-65 1282596 4357633 5-73				14,16,21	29		15,324	3.60	552							
1496351 NOR-LENE SUNSHINE PAUL-TWIN...		1	11	1-32	11	1.0	13,644	4.18	570	10	18	-88	+.07	+7	+3
G1-28-66 1406271 5455923 9-72					16		14,107	3.79	534						
1496354 JO-JON MAGIC MARQUIS.....		2	16	1-93	18	1.2	20,091	3.49	702	8	23	+393	-.02	+11	+21
12-25-65 1459996 4626261 5-73					95		18,799	3.56	669						
1496357 HAYSSEN GOLOFINGER-TWIN.....*		1	10	1-93	10	1.5	16,720	3.56	595	22	20	+397	.00	+14	+24
C3-11-66 1445073 4862479 5-73					373		14,772	3.57	527						
1496395 GIESEKE OATS FARM REX.....		3	8	1-41	13	1.5	14,915	3.65	544	23	27	-136	+.04	+1	-3
C1-24-66 1329588 6054670 5-73					12		15,515	3.49	542						
1496409 KAHL IDEAL BELMONT.....*		4	6	3-35,63,	15	2.1	15,803	3.51	555	14	36	+458	-.03	+12	+24
C4-15-65 1431863 5147359 5-73				65	16		14,525	3.60	523						
1496414 S-JF-D SKYLINER NOBLE.....	35-75	27	1	11-23,34,	31	1.7	16,634	3.51	584	0	65	+711	-.09	+12	+31
C1-24-66 1244845 4570781 5-73				35,41,93	57		15,668	3.64	570						
1496424 MENODOCINO RAVEN NOEL PAT.....*		6	4	1-93	14	1.1	19,120	3.69	706	14	34	+412	+.04	+21	+30
C3-13-66 1315498 5258800 5-73					107		18,288	3.60	659						
1496425 HEDGECREST ROBURKE.....		1	36	1-63	36	1.8	12,732	3.70	471	14	27	-444	+.09	-4	-17
C1-18-65 1303900 5508982 5-73					3		14,408	3.38	487						
1496427 BACH-ECHO FONO HOPE.....*		3	8	1-23	11	1.9	16,102	3.83	616	20	26	-88	+.04	+2	-1
11-23-65 1409136 4457241 5-73					35		16,659	3.71	618						
1496449 PENNINGS ROBURKE CRISS-TWIN...*		3	6	2-21,23	12	1.7	14,395	3.52	506	17	31	-199	+.02	-4	-9
03-03-65 1378594 4708010 5-73					34		15,125	3.44	521						
1496450 PENNINGS SUPREME CROSS.....*		3	6	1-23	11	2.2	13,851	3.36	466	0	29	-111	+.03	-9	-11
05-04-65 1378594 4510203 5-73					13		14,217	3.50	497						
1496455 APPLE ACRES INSIGNIA COMBO....		1	36	1-41	36	1.9	13,582	3.53	480	9	27	-16	-.02	-3	-3
10-09-65 1179372 4846931 5-73					13		13,563	3.64	494						
1496458 EARLEDALE SKYLARK TINKER BELL.*		10	3	2-91,92	25	1.4	16,723	3.38	565	18	51	+522	-.11	+3	+18
08-07-65 1446791 5980053 5-73					39		15,848	3.56	564						
1496481 CRAIG-ACRES BUTTER BOY PILOT..*		3	8	2-35,65	13	1.3	13,431	3.20	430	50	26	-100	-.03	-8	-10
11-28-64 1429337 4038775 5-73					25		13,756	3.32	457						
1496489 SPRUCE-VIEW LUCIFER LAD.....*		4	14	1-35	22	1.6	16,507	3.37	556	18	32	+512	-.11	+2	+17
12-20-65 1356229 5915090 5-73					22		14,936	3.70	553						
1496510 MEREDELL REGAL CHARMER.....*		2	9	1-55	11	1.9	19,748	3.20	632	0	24	+564	-.11	+4	+20
01-07-65 1357743 4281092 5-73					31		17,743	3.54	628						
1496515 HGJ SKYLINER BENNY.....		1	21	1-33	21	1.3	14,445	3.55	513	14	23	+22	-.01	0	+1
04-28-66 1244845 5190511 5-73					6		14,344	3.62	519						
1496541 CATOCTIN VIEW SURPRISE OAVID..*		1	10	1-51	10	1.3	13,913	3.90	542	0	19	-72	+.03	+1	-1
04-06-66 1290151 4942330 1-73					36		14,282	3.77	538						
1496543 MAL-RU BERTHA MARQUE.....*		3	23	1-47	28	1.5	14,803	3.53	522	8	28	+196	-.03	+3	+8
C7-03-65 1459996 5551101 5-73					10		14,075	3.62	509						
1496572 SUNNYSIDE LUCKY.....		25	2	5-23,32,	36	1.3	15,128	3.70	560	6	64	+62	-.02	0	+2
07-10-65 1255434 3780371 5-73				35,42,91	21		15,103	3.74	565						
1496581 STRAIGHT PINE IDEAL TEXAL.....*		3	8	2-31,55	13	1.1	13,604	3.27	445	31	25	+41	-.03	-3	-1
11-01-65 1333723 5191953 9-72					8		13,333	3.40	453						
1496583 RICH-HERO TEXAL REFLECTION.....*		4	18	2-47,93	38	1.8	14,808	3.86	571	6	41	-89	+.08	+8	+4
10-17-65 1459996 5355851 5-73					80		15,101	3.68	555						
1496584 NY-SUNNY-KNOLLS POSCH AOMIRAL.*		1	17	1-21	17	2.4	15,165	3.28	497	12	26	-25	-.04	-6	-6
C3-31-65 1237057 4607258 5-73					19		15,362	3.41	524						
1496599 OOS PALMOS PRINCE MARK.....*		2	12	1-93	14	1.4	16,184	3.58	580	0	23	+57	-.03	-2	0
11-21-65 1459996 5654147 5-73					29		16,108	3.72	599						
1496601 FORT MADISON PANSY GLAMOUR BOY*	35-21	20	3	3-35,41,	27	1.3	15,377	3.72	572	12	53	+327	+.02	+15	+22
C3-23-65 1282185 4188859 5-73				42	25		14,800	3.70	547						
1496608 HI-DALE REFLECTION RAG APPLE..		1	18	1-35	18	1.3	14,496	3.72	539	8	22	+51	-.01	+1	+2
C1-18-66 1445963 4573746 5-73					5		14,248	3.75	535						
1496621 MONTSMAS MARQUIS GEORGE.....*		8	8	3-33,35,	30	1.3	14,620	3.67	536	36	45	-496	+.06	-10	-23
10-07-65 1459996 5997645 5-73				74	16		15,879	3.56	566						
1496627 AHRENS CREAMELLE IKE.....*		4	19	2-35,42	24	1.9	11,984	3.78	453	23	30	-546	+.06	-12	-26
10-18-64 1314767 4703552 5-73					41		13,776	3.59	494						
1496635 ELEVATION FLAMING CROSS.....*		7	8	2-43,48	42	1.6	16,188	3.57	578	10	55	-139	-.01	-7	-10
10-28-65 1378594 4976977 5-73					11		16,670	3.61	601						
1496636 ELEVATION FORTUNE CROSS.....	48-01	119	4	4-43,47,	259	1.6	16,139	3.61	582	8	92	+843	+.09	+44	+62
11-12-65 1378594 4580282 5-73				48,73	28		15,310	3.50	536						
1496683 EL-VI PHOEBE REPEAT.....	35-75	24	1	10-21,32,	27	1.2	17,919	3.53	632	13	58	+936	-.02	+31	+54
C3-30-66 1251857 4457114 5-73				35,55,93	48		16,520	3.55	586						
1496684 BOBANOA GRAY VIEW GENT.....*		4	11	2-22,35	18	1.7	15,110	3.43	518	0	30	+60	-.06	-7	-4
C1-04-65 1304384 5637258 5-73					20		14,968	3.65	547						
1496692 RETLAW FORTUNE MAKER.....*		3	30	1-47	34	1.4	14,831	3.97	589	3	26	+20	.00	+1	+1
C5-02-66 1475201 6297095 5-73					30		14,794	4.02	594						
1496695 HOWDY-BOB BURKE SYMBOL-TWIN...		1	10	1-34	10	1.0	10,246	3.20	328	**	18	-206	-.02	-10	-14
07-27-64 1199593 4807672 9-72					6		11,082	3.41	378						
1496716 MEREDITH CHAMPION GRANDIER....	23-13	58	2	6-50,51,	91	1.5	14,966	3.99	597	7	81	-24	+.27	+38	+30
12-03-65 1277619 4938208 5-73				52,54,72	32		15,064	3.68	554						
1496722 KLEINWAY IRVINGTON PRIDE KING.*		1	11	1-46	11	1.0	14,444	3.63	525	0	18	+61	+.02	+5	+6
07-02-65 1237057 6092187 5-73					10		14,075	3.50	493						
1496731 TERR-KESS HONEYMAN ELEVATION..		1	18	1-42	18	1.9	13,969	3.66	511	11	25	-8	+.02	+3	+2
12-30-65 1255094 5075598 5-73					10		13,962	3.57	498						
1496740 JAN-AR ROBURKE CHIEF.....*		2	8	1-31	10	1.5	14,162	3.40	481	10	22	-382	-.02	-17	-26
03-05-66 0102563?5 4305026 5-73					13		16,073	3.55	570						
1496750 VIGO CITERION.....*	35-75	135	4	31-21,23,	225	1.4	16,476	3.63	598	15	90	+591	.00	+22	+36
11-02-65 1492073 4611954 5-73				32,35,85	43		15,975	3.63	580						
1496758 BUTTERFIELD BLACK YEOMAN.....*		2	9	1-55	11	1.8	13,539	3.75	508	0	24	-268	+.01	-8	-15
C3-05-66 1352968 3866603 1-73					45		14,686	3.73	548						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS HM/DAU	REC/DAU HERDMATE	MILK	%	FAT	% IST INC	% REPT	PREDICTED DIFFERENCES MILK	%	FAT	$$
1496779 WILLIAMS FARM STAR KINGPIN....*		2	17	1-22	19	1.5	15,766	3.52	555	5	25	+33	-.04	-5	-3
11-10-65 1347940 5113145 1-73					42		15,769	3.72	586						
1496780 NELWOOD MASTER COMRE.....	35-21	42	4	4-35,41,	63	1.9	14,202	3.80	539	3	75	-533	+.07	-10	-24
09-26-65 1242338 4834827 5-73				42,45	16		14,978	3.73	558						
1496815 SINGING BROOK PRINCE EDWARD...*		1	12	1-23	12	1.8	17,217	3.62	623	27	22	+287	-.02	+7	+14
03-07-66 1119514 5142013 5-73					25		16,083	3.71	597						
1496835 MARQUIS MILK-STAR DARLA DON...*		5	3	2-31,63	14	1.3	14,515	3.43	498	27	36	-72	-.03	-7	-8
10-23-65 1459996 5968284 5-73					12		14,753	3.52	520						
1496869 JOBIL WINTERTHUR ADMIRAL PRIDE		1	12	1-34	12	1.3	14,403	3.65	525	38	20	-105	-.05	-11	-12
07-30-65 1237057 5706517 5-73					18		15,005	3.95	592						
1496873 FRANKS HILL SUPERMAN.....*		1	17	1-23	17	1.5	18,242	3.64	664	7	23	+124	.00	+4	+7
02-26-65 13219D4 4849971 5-73					6		18,066	3.65	659						
1496896 ANACRES IMPERIAL GRADUATE.....*		3	7	1-21	12	1.1	16,709	3.36	562	25	25	-145	-.05	-12	-14
01-18-66 1368763 5474266 5-73					25		17,630	3.55	626						
1496905 ONGLEY REFLECTOR ERIC.....*		3	9	2-23,42	13	1.7	14,816	3.87	573	58	26	-434	+.04	-10	-21
01-13-66 1392654 6218433 5-73					11		16,759	3.75	628						
1496919 MOORE FARMS BEAU ORLO.....*		2	17	1-21	19	1.6	18,176	3.83	697	6	25	+519	+.04	+24	+35
11-11-65 1348259 5414712 5-73					45		16,307	3.74	610						
1496935 BOLENE GRAY VIEW PRINCE.....*		7	3	3-81,82,	13	1.5	16,273	3.72	606	23	36	+165	+.08	+18	+20
12-24-65 1441148 5388028 5-73				91	13		15,974	3.51	560						
1496936 OREGON TRAIL DUKE MARK.....	35-75	28	2	12-21,35,	42	1.5	16,981	3.50	594	11	68	+676	-.07	+14	+32
C2-04-66 1222994 4530814 5-73				41,84,91	65		16,171	3.58	579						
1496953 BEVEREST DE KOL PRIDE IRVING..*		2	12	2-23,35	14	1.6	16,458	3.49	575	7	24	+155	-.07	-5	+1
11-04-65 1237057 5432164 5-73					15		15,972	3.80	607						
1496957 ANDREAS FURY MODEL.....*		3	25	2-31,63	29	1.4	14,196	3.78	536	14	26	-62	+.02	+1	-1
11-23-65 1381027 4264576 5-73					18		14,443	3.68	532						
1496958 ANDREAS FURY KNIGHT.....*		1	23	1-31	23	1.7	15,252	3.65	556	0	25	+47	+.02	+5	+6
C3-02-66 1381027 5443396 5-73					21		15,134	3.55	538						
1496961 IONIA MICHOME IDEAL.....		2	8	1-34	10	1.5	14,081	3.72	524	11	22	-226	+.04	-3	-9
C7-15-65 1421012 5099420 9-72					14		15,194	3.60	547						
1496967 IONIA ROMEO INKA MODEL.....*		2	8	1-34	10	1.3	16,382	3.55	581	22	21	+357	-.03	+8	+17
08-15-65 1380164 4783464 5-73					11		14,713	3.72	547						
1496969 IONIA CREATOR SYMBOL.....*		5	16	3-22,32,	29	1.8	17,339	3.67	636	8	36	+440	+.01	+18	+28
C8-18-65 1454638 5347581 5-73				34	15		16,321	3.63	593						
1497004 HOMESTEAD FARM HIGHCROFT R....*		8	5	4-14,16,	21	1.2	13,051	3.79	494	39	41	-810	+.03	-25	-45
03-03-66 1492073 6090546 1-73				34,82	24		15,095	3.72	562						
1497026 HIAWATHA NACHES CHRIS MARLOW..*		3	5	2-33,35	10	1.8	15,774	3.36	530	10	29	-71	-.08	-14	-14
D2-15-66 1426563 5292773 1-73					13		16,202	3.64	590						
1497029 HARRELWOOD TEXAL DICTATOR.....*		21	3	4-32,33,	33	1.4	14,387	3.69	531	21	60	+150	+.05	+13	+15
10-26-65 D10254804 4979561 1-73				34,64	19		14,111	3.60	508						
1497030 OXFORD HEIGHTS TRIUNE BLAZER..*		9	10	2-14,21	40	1.7	14,488	3.73	540	28	52	-414	+.06	-7	-18
03-23-65 1443217 3883766 5-73					40		15,384	3.64	560						
1497039 GREEN PASTURES IMPERIAL.....*	61-02	70	3	9-31,32,	113	1.2	16,126	3.50	564	13	82	+734	-.12	+9	+30
C4-23-66 1242221 4550467 5-73				33,61,74	30		15,329	3.63	557						
1497049 EDGEMAR IOEAL MONT BURKE.....		2	30	1-93	34	1.2	16,255	3.70	602	26	26	-348	+.01	-11	-20
02-27-66 1098656 3899804 5-73					194		17,981	3.68	662						
1497059 HARVUE PRINCE BURKE.....		1	11	1-54	11	1.5	14,022	3.67	515	18	20	-39	+.03	+3	+1
C1-28-66 1253152 5054737 5-73					2		14,202	3.51	498						
1497061 MAYTAG BURKGOV GENERAL.....*		1	14	1-42	14	1.7	15,102	3.82	577	0	23	-96	+.07	+6	+2
03-28-66 1215402 5200263 5-73					44		15,650	3.55	556						
1497073 MEADOWDAWN PAT OBRIAN.....	35-75	15	1	7-21,23,	18	1.6	16,229	3.52	571	19	50	+159	-.03	+2	+6
C1-06-66 1206797 4663716 5-73				35,55,58	46		16,082	3.56	573						
1497102 JENNINGS-P TIOY GREGORY JOHN..		1	15	1-64	15	1.3	14,718	3.68	542	13	21	-198	-.01	-8	-13
11-19-65 1235097 5713285 1-73					23		15,812	3.74	592						
1497103 JENNINGS-P ARISTO ROYAL ANDY..		1	33	1-64	33	1.9	16,201	3.56	576	0	27	+330	-.02	+9	+17
11-28-64 1275604 6114945 5-73					16		15,044	3.62	545						
1497134 CAMPBROS IOEAL SUNSHINE.....*		2	9	1-31	16	1.5	14,248	3.52	502	27	31	-138	-.02	-8	-11
C6-18-65 1406271 4150385 5-73					22		14,735	3.62	533						
1497151 S P S M CARNATION STAR REGAL..*		1	31	1-34	31	1.4	10,602	3.54	375	18	24	-397	+.01	-13	-23
C4-22-66 1420155 4612345 5-73					68		11,995	3.53	423						
1497153 ARLINOA CHIEF ROMEO.....		2	80	1-93	93	1.2	19,317	3.45	667	12	28	+128	+.02	+8	+10
02-22-66 1427381 4376282 5-73					138		19,356	3.37	653						
1497161 ROSE-FRONT PRINCE.....*		4	19	2-31,55	34	1.2	15,403	3.88	597	10	34	-166	-.01	-7	-11
01-23-66 1304722 5704264 5-73					14		16,069	3.94	633						
1497167 GRAY VIEW X ADMIRER.....*		4	22	1-42	28	1.4	13,351	3.98	532	26	27	0	+.06	+9	+7
12-07-65 1378594 5399963 1-73					16		13,235	3.74	495						
1497190 S R F GYPSIE PIONEER.....*		1	17	1-35	17	1.7	14,926	3.67	548	**	23	+150	.00	+6	+9
C8-29-65 1292880 5608938 5-73					21		14,257	3.65	521						
1497198 BONNIEREST DUKE MARQUIS.....*		1	13	1-21	13	1.2	16,126	3.78	609	0	20	+42	+.07	+11	+10
02-14-66 1459996 4701810 5-73					25		16,088	3.46	556						
1497206 STURDEVANT FARM WINDY CHARMER.*		1	12	1-23	12	1.6	15,055	3.75	565	8	21	+170	+.02	+9	+13
12-17-65 1357743 5262963 5-73					12		14,231	3.68	524						
1497228 SPRINGCRAFT KING SKYLINER.....	35-75	36	1	14-35,55,	43	1.3	15,877	3.65	580	14	69	-320	+.03	-7	-15
01-20-66 1077788 5261362 1-73				57,91,93	43		16,558	3.62	600						
1497229 HEUERS REFLECTION OEAN.....*		1	10	1-41	10	1.4	15,687	3.46	542	0	20	+26	-.03	-3	-2
01-30-66 1459996 5671032 1-73					13		15,685	3.60	565						
1497230 HEUERS REFLECTION SUPREME.....		5	15	3-41,43,	26	1.4	13,815	3.71	513	8	33	-257	+.03	-5	-12
02-15-66 1459996 6012969 5-73				46	12		14,618	3.64	532						
1497256 LEAWAY BLA CREAMELLE C BLACKIE*		2	9	1-42	12	1.8	12,588	3.84	483	25	26	-105	+.02	-1	-4
03-04-65 1314767 5388048 5-73					48		12,846	3.80	488						
1497271 FITZPATRICK PONTIAC CHAMP.....*		1	14	1-34	14	1.1	12,617	3.69	466	33	20	-103	+.02	-1	-4
10-03-64 1397752 5533903 1-73					7		13,008	3.64	473						
1497291 KOSSMANN PIONEER OAN.....*		1	10	1-43	10	1.9	15,471	3.57	553	0	21	-76	+.02	0	-2
02-28-65 1292880 4919576 5-73					19		15,993	3.49	558						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HO	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS/DAU HM/DAU	REC/DAU HEROMATE	MILK	%	FAT	% IST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1497298 EXRANCO MAGIC EMPEROR.....	93-03	3	39	1-93	46	1.6	18,255	3.46	631	13	30	+159	-.05	-2	+3
02-05-66 1253351 4473319 5-73					198		18,089	3.62	654						
1497302 SAR-BEN DUKE MAN.....	35-75	30	1	11-21,41,	35	1.8	16,177	3.56	576	13	68	+167	-.05	-1	+4
12-05-65 1035164 3993271 5-73				55,91,93	55		16,102	3.63	585						
1497304 NEEDHAM-ACRES DUKE PRIDE.....*		2	14	1-21	16	1.8	16,153	3.49	563	0	25	+143	-.02	+2	+6
02-14-66 1237057 5521761 1-73					22		15,721	3.55	558						
1497309 DA-CO-TON CRUSADER.....*		2	14	1-42	19	1.2	12,065	3.80	459	26	26	-233	+.07	+1	-6
04-10-65 1458398 6033942 5-73					4		12,811	3.51	450						
1497310 DA-CO-TON ORMSBY LEADER.....*		2	14	1-46	16	1.3	17,073	3.84	655	19	23	+373	+.02	+16	+24
03-22-66 1316533 5482576 5-73					14		15,554	3.82	594						
1497312 DA-CO-TON ORMSBY PLAINSMAN....*	35-05	22	3	4-35,41,	40	1.3	14,977	3.65	547	14	63	-201	-.05	-15	-18
04-04-66 1316533 4514740 5-73				42,46	19		15,397	3.75	578						
1497351 KLINGSTON VIEW H S REFLECTION.*		3	5	2-51,52	10	1.8	12,982	3.63	471	29	28	-368	.00	-13	-22
08-02-65 1406271 5572504 5-73					37		14,269	3.64	519						
1497352 MATHIS MIT VON AUFFIN BACH TOL*		4	5	1-57	18	1.2	11,419	3.53	403	8	39	-675	-.02	-27	-43
05-13-66 1459996 5372098 5-73					19		13,140	3.62	472						
1497355 DEE ANN ECHO SUN.....*		11	15	3-42,84,	51	1.8	16,519	3.50	578	11	50	+133	+.02	+7	+10
09-21-65 1230610 5348067 5-73				86	12		16,460	3.45	568						
1497356 DEE ANN ECHO PHOENIX.....*		1	11	1-93	11	1.5	17,416	3.32	579	0	20	+210	-.05	+1	+7
10-19-65 1230610 4679554 5-73					59		16,602	3.48	578						
1497357 DEE ANN ECHO COCHISE.....*		1	32	1-93	32	1.6	16,595	3.46	574	6	26	+69	.00	+2	+4
10-21-65 1230610 4765419 5-73					52		16,541	3.46	573						
1497359 ARJAYESS GOLDFINGER.....*		1	12	1-35	12	1.5	13,932	3.62	504	0	21	-256	-.05	-16	-21
01-03-66 1288610 4123600 1-73					19		15,243	3.88	591						
1497375 FISHER FARMS FRITZ.....*		2	9	1-21	14	1.5	13,872	3.64	505	7	27	-224	-.02	-11	-16
09-05-65 1412611 5452519 5-73					23		14,742	3.74	551						
1497402 ROCK BROOK MAJESTY BARON.....*		1	12	1-33	12	1.5	11,895	3.90	464	36	21	-180	+.05	0	-5
07-05-65 1404687 5002969 5-73					16		12,577	3.69	464						
1497423 WOLVERTON PRIDE.....		1	12	1-42	12	1.4	11,424	3.73	426	8	21	-179	+.01	-5	-10
04-22-66 1237057 5298312 1-73					17		12,064	3.70	446						
1497454 CORRECTION DOUBLE BOLO.....		2	8	1-35	11	1.8	19,957	3.73	744	55	25	+316	-.02	+8	+16
07-01-65 1436959 4502227 5-73					21		19,175	3.83	735						
1497463 DUKE METCALFS HIGHTIME.....	31-07	21	1	5-31,32,	26	1.0	15,599	3.51	547	15	56	+59	-.06	-7	-4
12-12-65 1215995 5070701 5-73				61,65,84	29		15,615	3.63	567						
1497475 DE-JA COLANTHA ALSTAR.....	35-75	26	2	9-21,35,	38	1.4	18,926	3.64	689	8	66	+1,063	+.02	+41	+66
05-13-66 1261857 4102142 5-73				41,55,93	37		17,649	3.62	639						
1497503 LEABROOK REFLECTION.....*		3	6	1-21	12	1.3	15,942	3.45	550	**	29	+232	-.06	0	+7
02-10-65 1296576 5640537 5-73					21		15,214	3.65	555						
1497509 WEINER OLIVER PERFECTION.....	21-10	55	1	6-11,13,	57	1.5	16,460	3.66	602	2	77	+884	+.05	+39	+59
02-09-66 1307195 4669613 5-73				14,16,21	28		15,407	3.60	554						
1497520 MILKY-DELL TYSTAR ELMER.....*		11	3	2-22,23	25	1.6	15,097	3.93	593	22	53	-122	+.11	+11	+5
07-03-64 1350676 5043237 5-73					21		15,435	3.74	577						
1497531 HOMEWORTH R MASTER.....*		3	5	2-31,61	10	1.2	14,031	3.90	547	38	24	-268	+.05	-2	-10
02-15-66 1450418 4187485 5-73					15		15,214	3.70	563						
1497546 LOGIL PHARAOH.....*		1	14	1-31	14	1.4	13,546	3.73	505	38	22	-107	+.02	-1	-4
08-10-65 1098656 4242907 5-73					16		14,009	3.67	514						
1497550 STJODAROS LAKEFIELD IMPROVER..*		7	5	1-74	21	1.7	14,710	3.57	525	5	44	-523	+.07	-9	-23
10-30-65 1243697 5647065 5-73					82		16,075	3.43	551						
1497552 SPRING SHADE STAR PRINCE.....*		6	3	4-23,35,	14	1.5	13,872	3.40	471	25	39	-129	-.08	-16	-17
11-16-65 1315612 4762765 5-73				63,72	16		14,181	3.62	514						
1497558 CREEK VALLEY JESS DALE.....*		2	9	1-21	11	1.6	15,751	3.58	564	0	23	+148	.00	+6	+9
03-29-65 1216957 4472935 5-73					24		15,182	3.55	539						
1497562 OHIO SUNSHINE PATRICIAN.....*		1	10	1-31	10	1.7	11,819	3.44	407	13	21	-138	.00	-5	-8
01-22-66 1406271 5132027 5-73					16		12,279	3.47	426						
1497563 EDJN SUSIE MARQJIS.....*		1	11	1-21	11	1.3	15,082	3.30	497	9	20	+35	-.03	-3	-1
03-20-66 1459996 5286470 5-73					21		14,958	3.46	518						
1497567 SELUHM TRIUNE MASTERPIECE.....*		7	2	3-43,48,	10	1.3	11,659	3.61	421	11	32	-329	+.01	-11	-19
01-18-65 1425201 3633231 1-73				73	14		12,509	3.61	451						
1497570 KODI BURKE NEPTUNE.....*		1	11	1-93	11	1.6	17,592	3.29	579	0	21	+516	-.06	+9	+23
12-01-65 1380666 3775130 5-73					351		15,245	3.55	541						
1497574 RITA-MAE FURY JHENRY.....*		1	17	1-51	17	1.3	12,019	3.53	424	0	22	+137	-.03	0	+4
05-08-66 1339404 4992560 5-73					26		11,056	3.74	413						
1497578 HAYSSEN FASHION PLATE.....	35-75	25	1	11-21,41,	26	1.2	15,609	3.59	560	22	58	-237	+.05	-2	-9
04-26-66 1309948 5027590 1-73				55,57,91	46		16,199	3.52	571						
1497597 JANMAR REFLECTION IDEAL.....*		1	16	1-21	16	1.3	18,738	3.43	642	0	21	+358	-.03	+8	+17
11-15-65 1459996 5189987 5-73					13		17,347	3.54	614						
1497602 DAYTON PAT ECHO PILL.....*		5	5	1-31	16	1.2	18,041	3.46	625	13	36	+676	-.03	+20	+37
04-14-66 1392259 5738496 5-73					55		16,354	3.51	574						
1497603 DAYTON K O JIM TOM.....*		4	5	1-31	13	1.2	17,103	3.43	587	8	30	+59	-.04	-3	-1
03-16-66 1455463 5489822 5-73					52		17,190	3.55	610						
1497611 OUNWORKEN HEADMASTER PAT.....*		4	4	1-35	10	1.3	13,836	3.40	470	20	27	-214	-.07	-17	-20
01-09-66 1349029 4844894 1-73					8		14,651	3.67	538						
1497629 GLORIELJMAE LEO LUCIFER.....*		6	4	2-11,13	13	1.6	14,851	3.82	568	22	34	-252	+.01	-7	-13
11-02-65 1308429 5033368 5-73					21		15,728	3.82	601						
1497634 CLAS HAVEN SULTAN LUCY.....*		1	11	1-51	11	1.2	11,495	3.68	423	13	19	-84	-.03	-8	-9
01-25-66 1295608 5033184 1-73					5		11,669	3.98	465						
1497670 FORDHAVEN SKYLINER HOPE-TWIN..*		5	3	1-13	10	1.3	15,639	3.75	587	10	30	-36	+.01	0	-1
11-15-65 1244845 5258267 9-72					30		15,915	3.73	593						
1497682 LUCKY OAK RIDGES CLEVE-TWIN...*		7	7	1-32	24	1.5	15,235	3.41	519	4	42	+202	-.04	+1	+7
11-15-65 010285087 011291349 5-73					29		14,792	3.50	517						
1497683 LUCKY OAK RIDGES COMET.....*		32	7	14-14,21,	84	1.5	14,278	3.47	495	14	71	-374	-.05	-21	-29
11-03-65 010285087 011332493 5-73				32,33,35	24		14,850	3.54	526						
1497690 BONNIE ELMS IVANHOE IMPERIAL..*		2	7	1-46	11	1.9	13,887	3.62	503	18	28	-458	.00	-16	-27
02-08-66 1424245 5716118 5-73					13		15,678	3.64	570						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF OAU /HD	STATES NO- WITH MOST OAUS	... DAUGHTERS AND HEROMATES ... OAUS	REC/OAU HEROMATE	MILK	% MILK	FAT	% FAT	IST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1497698 ALLENDAIRY COURIER.....*	23-09	101	2	8-23,50,	138	1.3	12,857	4.07	523	19	87	-1,736	+.32	-22	-71
03-28-66 1356229 4044219 5-73				51,52,57	24		14,897	3.71	553							
1497712 LOUBON HOLTEX VAR TIDY.....*		3	12	1-74	20	1.4	18,369	3.47	638	35	30	+144	+.02	+8	+11
12-14-65 1224837 5326105 5-73					74		18,276	3.40	622						
1497722 COLLINS-CREST TRAVELER.....*	21-10	253	2	9-11,12,	380	1.2	15,524	3.50	544	19	95	-58	-.05	-9	-9
12-18-65 1189870 5058531 9-72				13,16,21	26		15,719	3.56	559						
1497727 GRASSY MEADOWS IDEAL PILOT....*		4	6	2-21,55	14	1.6	17,252	3.50	604	0	33	+261	-.02	+7	+14
05-07-66 1175596 5796567 5-73					30		16,684	3.54	590						
1497729 PALISADE REFLECTION FASCINATE.		3	16	1-87	23	1.3	15,011	3.56	534	0	28	-200	.00	-7	-12
10-24-65 1459996 4982029 5-73					4		15,886	3.57	567						
1497737 STRICKLER SUNSHINE GROFF.....		1	10	1-48	10	1.2	11,287	3.77	425	20	19	-27	+.01	0	-1
03-24-66 1436271 5673231 1-73					13		11,112	3.73	414						
1497740 JERLYN DOUBLE LAURA GEMINI....		2	14	1-41	19	1.3	15,151	3.94	597	11	27	+17	+.07	+11	+10
03-30-66 1333705 5778830 1-73					8		15,165	3.70	561						
1497750 CHELOKIE POPEYE.....*		5	14	1-21	21	1.8	15,579	3.30	514	5	31	-400	-.06	-23	-31
01-26-66 1441742 5483581 5-73					31		17,170	3.49	600						
1497769 CHESTER HOME BATMAN.....*		1	27	1-35	27	1.7	13,262	3.78	501	0	26	+551	-.03	+16	+30
01-24-66 1351065 5013492 5-73					26		10,744	3.98	428						
1497770 CLEARLINE ACRES JUMBO-TWIN....*		1	11	1-35	11	1.0	13,558	4.03	546	9	18	+174	+.02	+9	+13
05-10-66 1392654 5444432 5-73					26		12,405	3.98	494						
1497782 OXFORD HEIGHTS CON WOODMAN....*		1	17	1-21	17	1.7	16,731	3.69	617	24	24	-37	+.06	+7	+5
04-10-66 1355610 3883766 5-73					91		17,171	3.46	594						
1497798 LUCKY OAK RIOGES TEO.....*	35-05	10	22	6-33,35,	45	1.6	16,167	3.58	578	19	40	+334	-.06	+3	+13
11-15-64 010285087 011766722 5-73				43,73,86	33		15,431	3.73	575						
1497804 GANAWISSA SUPREME HOPE.....*		2	16	1-21	18	1.7	16,068	3.54	569	13	25	+84	+.01	+5	+7
11-20-65 1243697 4987776 5-73					44		15,881	3.49	554						
1497831 THAYBEN ADMIRATION.....	21-10	35	1	5-11,12,	39	1.8	15,958	3.45	550	6	70	+533	-.10	+5	+20
12-08-65 1308429 4834010 5-73				13,16,21	26		15,286	3.57	545						
1497832 ROSEK CRISSCROSS ECHO.....*		11	6	2-35,41	33	1.4	14,396	4.04	581	10	53	-421	+.23	+17	+1
04-22-65 1378594 4394346 5-73					18		15,288	3.60	551						
1497839 MINERVA-CREEK AGAIN BARON.....*		4	4	1-42	13	2.0	14,787	3.46	512	0	36	+359	-.05	+6	+16
02-12-65 1382176 5112773 5-73					24		13,726	3.59	493						
1497898 VOL TIDY COMET SUPREME.....*		3	20	1-63	24	1.6	14,413	3.72	536	25	27	-25	+.02	+2	+1
11-24-64 1283917 4592384 1-73					20		14,523	3.65	530						
1497915 DE ELPO MASTER SEARS.....*		2	8	1-21	10	1.0	14,515	3.48	505	90	20	+88	+.01	+5	+7
01-16-66 1085978 4593324 1-73					18		14,025	3.39	475						
1497924 QUIET ACRES STYLE BURKE.....	35-75	31	1	12-21,23,	38	1.5	15,763	3.52	555	23	67	-105	-.04	-9	-11
11-12-65 1192713 5076141 5-73				35,55,93	65		16,090	3.58	576						
1497927 OLSONDAHL MONTY SUPREME.....*		5	6	3-41,47,	16	1.6	15,020	3.40	511	8	35	-15	-.05	-8	-7
10-19-65 1347065 4899892 5-73				48	17		15,139	3.57	540						
1497932 O-RICKER KINGPIN LUCY.....*		4	14	3-21,22,	22	1.4	16,090	3.82	614	0	30	-42	+.06	+7	+4
10-17-65 1347940 5112746 5-73				23	43		16,438	3.64	598						
1497978 COUNCIL ROCK CITATION ASTRO...*		1	10	1-21	10	1.1	13,862	3.51	487	0	18	-165	+.01	-5	-9
02-28-66 1425137 4396552 1-73					17		14,815	3.52	522						
1497984 JIMOEN OUN-AFTON JUNE JACK....		1	12	1-35	12	2.4	13,519	3.59	485	10	24	-9	.00	0	0
08-17-64 1240355 5341647 5-73					36		13,471	3.58	482						
1497985 UTAG BENEDICT WARRIOR.....*		4	6	2-82,87	13	1.2	15,041	3.54	532	0	29	+158	-.03	+2	+6
01-06-66 1339850 5311344 5-73					58		14,510	3.62	525						
1497986 RETLAW THONYMA SENATOR.....*		2	37	2-41,42	39	1.7	14,201	3.57	507	5	28	-33	-.01	-2	-3
C7-09-65 1252985 4533858 5-73					12		14,316	3.63	519						
1497988 STERK FRISCO PRINCE.....	33-03	88	2	23-21,23,	110	1.1	14,753	3.63	536	12	84	-617	.00	-22	-37
02-18-66 1315612 3755377 5-73				35,41,93	30		15,609	3.64	568						
1498005 GLENALCOMB HI VENTURE.....*	35-05	37	2	6-32,33,	56	1.6	13,709	3.86	529	16	74	-1,041	+.09	-26	-53
05-01-65 010264804 010883204 5-73				35,41,42	19		15,209	3.75	571						
1498012 SWAMPY HOLLOW MAR-CROSS.....*		3	16	3-14,16,	20	1.4	12,964	3.95	512	5	26	-255	+.04	-3	-10
01-30-66 1459996 6081420 5-73				23	18		13,906	3.80	528						
1498026 DAVISLAWN DUKE LANNY-TWIN.....	35-75	25	1	13-13,21,	30	1.3	17,474	3.57	624	10	61	+790	-.01	+27	+46
01-28-66 1298197 4437270 1-73				57,91,93	63		16,376	3.58	587						
1498027 DAVISLAWN DUKE LARRY-TWIN.....	35-75	32	1	15-23,35,	39	1.6	15,792	3.58	565	9	69	+45	-.03	-3	-1
01-28-66 1298197 4437270 5-73				41,55,93	48		15,875	3.63	576						
1498036 IVISON FARMS LORD ORLO.....*	21-10	51	1	7-11,12,	55	1.4	15,869	3.59	570	19	76	+423	+.03	+19	+28
01-26-66 1348259 5172760 5-73				13,14,21	24		15,411	3.56	548						
1498048 BENJI ADMIRAL PAUL.....		1	29	1-33	29	1.3	12,770	3.75	479	14	24	-200	-.01	-9	-13
10-30-65 1459857 6070930 5-73					30		13,528	3.87	523						
1498049 BENJI MASTER ALEXANDER.....		1	16	1-33	16	1.4	11,606	4.02	466	33	22	-437	+.04	-10	-21
11-09-65 1469857 5860851 5-73					37		13,489	3.80	513						
1498075 MCCLELLAND PRIDE RETT JO.....*		2	20	1-93	22	1.6	17,678	3.64	643	15	25	+228	-.03	+4	+10
12-16-65 1291841 4186635 5-73					15		17,042	3.76	641						
1498094 STAN-BITZIE ROBURKE LAD.....		1	12	1-13	12	2.7	14,672	3.61	530	17	24	-195	+.04	-2	-8
06-18-64 1234108 5730696 1-73					48		15,606	3.49	545						
1498095 BEAN-PATCH FRAN STEVE.....		2	15	1-13	22	1.4	17,141	3.79	650	5	29	+413	+.06	+24	+32
12-17-65 1439204 5323902 5-73					22		15,835	3.61	571						
1498103 DIAMOND CRYSTAL SUNSHINE BURKE*		1	11	1-35	11	1.1	15,892	3.32	527	**	19	+345	-.08	0	+10
01-08-66 1436271 5930712 5-73					16		13,997	3.76	526						
1498120 TIPSTAR CAPTAIN OOWNSHIRE.....		2	22	1-32	38	2.0	12,897	3.57	460	5	37	-98	-.02	-6	-8
C8-15-65 1478809 4391565 1-73					50		13,028	3.64	474						
1498128 ESSBEE REFLECTION IVANHOE VIGO*		4	9	2-35,41	14	1.6	16,077	3.53	568	36	28	-79	-.08	-14	-14
03-19-65 1347065 5531531 5-73					20		16,587	3.83	636						
1498134 OUNROCKIN BETTINA MARQUIS.....		1	12	1-42	12	1.8	16,220	3.53	572	11	22	+287	.00	+11	+18
11-22-65 1459996 6082508 5-73					10		14,989	3.50	525						
1498143 KLEINHANS OARK VICTORY.....*		1	15	1-35	15	2.1	16,499	3.44	567	7	25	+248	-.04	+3	+10
11-05-65 1339948 4887526 5-73					38		15,614	3.57	558						
1498154 OAK PATH GODFREY KING.....		4	10	1-41	17	1.9	15,872	3.76	597	6	31	+199	.00	+7	+12
06-15-64 1331314 4555774 5-73					10		15,314	3.79	580						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HO	STATES NO- WITH MOST DAUS	...DAUGHTERS AND HEROMATES... DAUS HM/DAU	REC/DAU HEROMATE	MILK	%	FAT	%	1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1498162 BURLEY HI HOPE SENATOR.....		3	9	3-32,61,	18	1.2	16,999	3.54	602	6	31	+468	+.01	+18	+29
04-06-66 1252985 5696920 5-73				63	17		15,617	3.50	547						
1498176 ROLIMAN RUSTY ROY.....*		3	7	1-35	10	1.8	15,974	3.82	611	10	25	-142	+.04	0	-4
11-24-65 1442845 4848208 5-73					17		16,779	3.71	623						
1498184 FULTONWAY IVANHOE ROAMER ADMIN	35-75	19	2	10-35,55,	28	1.4	16,719	3.40	568	9	59	+15	-.07	-10	-8
05-11-66 1171458 5123585 5-73				57,91,93	55		16,949	3.51	595						
1498185 VIEW ACRES HECTOR LEADER.....		2	9	1-51	12	1.0	14,715	3.28	483	20	22	+158	-.04	0	+5
01-14-65 1339574 5766573 5-73					15		13,953	3.43	479						
1498197 QUIET ACRES TANGLEWOOD PAT....		1	29	1-91	29	1.0	15,722	3.82	601	14	22	-231	+.04	-2	-9
05-08-66 1291498 4354408 5-73					211		17,044	3.67	626						
1498199 LU-CEN ROYAL CHARMER.....*		1	10	1-31	10	1.6	17,420	3.28	572	20	20	+47	-.03	-2	0
10-06-65 1377752 5950402 1-73					15		17,498	3.40	595						
1498213 THONYMA JOLLY SENATOR.....		1	18	1-48	18	1.6	14,626	3.21	469	17	23	+50	-.06	-7	-4
07-15-65 1252985 5522683 5-73					25		14,411	3.47	500						
1498215 THONYMA SIGNAL.....*		5	5	1-48	13	1.5	16,200	3.81	618	27	33	+231	+.07	+18	+22
10-29-65 1406271 5522054 5-73					12		15,611	3.64	568						
1498218 BUTTERDAY WOODBOURNE REFLECTOR*		3	25	1-41	34	1.4	16,360	3.55	580	21	29	+215	+.04	+14	+18
01-15-66 1298430 4428049 5-73					27		15,761	3.38	532						
1498220 SKYLINER TORTILLA PIEBE.....		1	13	1-45	13	2.3	13,077	3.43	448	0	24	-134	-.02	-8	-11
02-26-65 1244845 5042000 5-73					23		13,553	3.54	480						
1498242 ALLDAYVIEW TIDY MARQUIS DUKE.*		1	11	1-48	11	1.4	14,039	3.35	470	0	20	-40	.00	-1	-2
01-01-66 1459996 5610078 5-73					26		14,231	3.34	476						
1498250 CAFFOALE SKOKIE GENT.....	72-01	15	4	4-32,64,	36	1.3	13,751	3.47	477	6	58	-190	.00	-7	-11
04-08-66 1282185 5255921 5-73				65,72	22		14,045	3.47	487						
1498261 BESVIEW MARQUIS SANDY.....*		3	5	2-51,52	11	1.8	14,468	4.09	592	27	31	-428	+.11	0	-13
09-12-65 1459996 5596057 5-73					47		16,034	3.74	600						
1498263 SAPA SKA KING COMRE.....	35-21	26	1	3-35,41,	27	1.3	14,846	3.85	572	8	59	+69	+.11	+18	+17
07-28-65 1242338 4225852 5-73				42	23		14,768	3.69	545						
1498285 U OF MINN R HERMES HERMES O...	41-G1	53	1	4-35,41,	63	1.6	14,747	3.47	511	16	78	+64	-.11	-14	-10
04-01-66 1206797 5443296 5-73				45,73	18		14,695	3.61	531						
1498287 MITHVA GENERAL ZELDENRUST.....*		7	5	3-16,21,	15	1.7	16,505	3.72	614	0	37	+203	+.01	+9	+14
10-27-65 1377752 5818510 5-73				63	26		16,122	3.70	596						
1498288 HEATHERSTONE MOOERNAIRE.....*		1	16	1-35	16	1.1	12,734	3.54	451	15	20	-226	-.01	-9	-14
07-26-65 1331314 5639390 1-73					13		13,794	3.61	498						
1498297 UM GLAMOUR J IVAN LAD.....		3	9	2-11,14	12	1.2	15,959	4.05	646	58	23	-292	+.08	+1	-8
02-24-66 1232185 5572428 5-73					14		17,543	3.75	657						
1498301 BELBROOK REFLECTOR LITTLE JOHN		1	20	1-34	20	1.0	10,270	3.73	383	21	21	-321	+.03	-8	-16
12-09-65 1462427 5851609 5-73					24		11,530	3.60	415						
1498304 WISOF CREAMELLE MILTON.....*		5	17	1-35	24	1.3	12,964	3.72	482	32	28	+122	.00	+5	+8
11-08-65 1314767 5718876 5-73					20		12,325	3.72	458						
1498308 WISOF DIAMOND NEO.....*		4	19	3-33,35,	24	1.4	12,651	3.79	479	0	27	+141	-.01	+3	+7
12-11-65 1452168 4125693 5-73				91	27		11,881	3.89	462						
1498309 CHARESE SALT RIVER SKYLINER...		1	10	1-86	10	2.2	15,207	3.22	490	0	22	-123	-.02	-7	-9
06-25-64 1244845 5483182 5-73					6		15,914	3.31	527						
1498318 ARLINDA BELLRINGER DAWN.....		1	28	1-93	28	1.4	17,185	3.40	584	14	24	-154	+.02	-3	-7
02-25-56 1358109 4864362 5-73					57		18,218	3.35	610						
1498343 PILOT-GROVE CHAL HOMESTEAD....		1	19	1-42	19	2.2	15,249	3.97	605	0	26	-12	+.04	+6	+5
11-22-64 1422586 4368268 5-73					21		15,400	3.83	590						
1498344 PILOT-GROVE GOMAR LOCHINVAR...		2	15	1-42	24	1.5	16,511	3.77	623	22	31	+92	+.03	+8	+9
12-10-64 1241889 4963478 5-73					10		16,415	3.68	604						
1498351 KNOTTY OAK PATHFINDER PAUL....*		2	8	1-13	10	2.5	14,980	3.48	521	14	25	-183	.00	-7	-11
10-12-64 1401244 5439874 5-73					35		15,858	3.51	557						
1498356 NUNESDALE PONTIAC MAGIC.....		2	31	1-93	48	1.3	19,902	3.57	710	0	33	+314	-.02	+9	+17
01-20-66 1391977 4941147 5-73					53		19,454	3.61	702						
1498390 BARLEY PREMIER MARQUIS.....		2	14	1-85	24	1.0	17,376	3.22	560	4	29	-40	-.02	-5	-5
05-21-65 1459996 5505078 5-73					358		17,863	3.28	586						
1498407 WHIRLWIND MARK GOLDEN VICTOR..		1	10	1-32	10	2.3	13,998	3.77	528	0	23	+40	+.03	+6	+6
10-15-65 1221226 5939014 5-73					5		13,761	3.63	499						
1498453 MYANN MARQUIS RIVITEER.....*		3	18	1-31	22	1.6	13,607	3.90	531	0	27	-143	+.05	+2	-3
09-05-65 1459996 6102490 5-73					16		14,109	3.73	526						
1498454 SCHOOLMASTER ECHO AUGUSTUS....*		1	13	1-52	13	1.6	14,892	3.59	534	23	22	-40	.00	-1	-2
09-08-65 1258294 3625386 5-73					18		15,161	3.61	548						
1498460 N M A C REFLECTOR ROBURKE.....*		1	38	1-85	38	1.7	15,840	3.36	533	3	27	+332	.00	+12	+20
06-19-65 1298831 4871500 5-73					72		14,610	3.33	486						
1498467 SKOKIE NEO.....*		3	6	1-32	13	1.5	14,377	3.76	540	9	31	+59	+.02	+5	+6
05-12-66 1288610 5104360 1-73					14		14,166	3.71	526						
1498471 SKOKIE MAXIMUS.....*		1	13	1-47	13	1.7	17,341	3.61	626	8	22	+568	-.02	+17	+31
05-09-66 1457275 5117313 5-73					93		14,850	3.74	556						
1498478 RABAR KAY WALLIE SUPREME.....		1	10	1-84	10	1.5	15,692	3.46	543	0	20	+164	-.03	+2	+7
02-02-66 1241914 44G3171 9-72					28		14,928	3.60	537						
1498483 JOLIAM POLY KNIGHT SUPREME....		1	17	1-35	17	1.5	17,545	3.64	639	6	23	+274	-.04	+4	+12
03-01-66 1242221 4276774 1-73					16		16,564	3.82	633						
1498508 CLIFFVIEW IMAGE.....*	35-21	9	5	2-41,48	24	2.0	14,191	3.73	529	5	48	-370	+.08	-2	-13
10-19-64 1430889 4965082 5-73					9		15,024	3.58	538						
1498512 AJRF GLAMOUR BOY CALIF KIT....	93-16	3	97	2-84,93	114	1.2	16,699	3.71	620	24	28	+11	+.03	+4	+4
03-31-65 1252185 4681433 5-73					43		16,913	3.65	617						
1498548 HOOSIER SOVEREIGN ABE.....*		8	5	1-34	26	1.4	16,140	3.72	600	14	49	+137	+.01	+7	+10
02-12-66 1362410 4840575 5-73					14		16,024	3.70	593						
1498553 CHARLIE-HILL ADMIRAL WALNUT...*		1	10	1-21	10	1.4	13,012	3.21	418	20	20	-170	-.03	-11	-14
12-19-65 1316539 6044627 9-72					9		13,827	3.44	475						
1498563 SAPA SKA PROSPECT REFLECTION..	41-01	34	1	2-35,41	36	1.5	14,975	3.59	538	15	67	+137	-.01	+4	+7
12-11-65 1347065 5149174 5-73					16		14,814	3.60	533						
1498573 VOGAN FARM PROUD PRINCE.....*	23-09	66	2	4-21,23,	83	1.4	14,450	3.37	487	17	81	-192	-.27	-45	-43
02-03-66 1459996 6148066 5-73				50,51	19		14,722	3.72	547						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEIRS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS HM/DAU	REC/DAU HERDMATE	MILK	%	FAT	% 1ST LACT INC	% REPT	PREDICTED DIFFERENCES MILK	%	FAT	$$
1498575 MONOPOLY ALEXANDER ADAM.....*		1	10	1-34	10	2.1	13,327	3.89	519	0	22	-149	+.04	0	-5
C2-02-66 1244845 4792616 5-73					27		13,952	3.73	520						
1498611 PRIDE CITY VIEW STEVE.....		1	13	1-33	13	1.2	13,258	3.71	492	15	20	-166	+.02	-3	-7
02-18-66 1315578 4230736 5-73					9		14,073	3.62	510						
1498619 ZIMMERMAN OEAN STAR EARL.....*		1	21	1-41	21	1.2	14,658	3.40	499	20	22	+325	-.03	+7	+16
08-23-65 1433539 5499458 5-73					16		13,045	3.52	459						
1498624 CONBA IDEAL FANCY KING.....*		4	23	2-48,84	35	2.1	14,928	3.38	504	6	35	-24	-.08	-13	-11
10-07-64 1397054 4714499 5-73					10		15,065	3.63	547						
1498629 REFLECTION NORTH STAR CHARLIE.*		2	7	1-21	10	1.7	13,422	3.48	467	20	24	-239	-.02	-12	-17
10-25-63 010280578 011529658 5-73					14		14,415	3.63	523						
1498634 SOUTH BRANCH LORENZ LAD.....		2	11	1-41	13	1.5	15,648	3.87	605	23	24	+277	-.01	+8	+15
12-11-65 1456079 5219615 5-73					15		14,477	3.98	576						
1498637 GLEN COVE RAG APPLE EXCEL.....*		1	14	1-21	14	2.0	13,390	3.94	528	0	26	-440	+.09	-3	-16
08-05-65 1378594 5412887 5-73					33		15,201	3.59	545						
1498638 EL-BEE-SEE BURKE IVAN.....		1	12	1-93	12	1.3	19,442	3.37	656	0	20	+302	-.06	+2	+11
04-01-66 1388060 5672431 5-73					27		18,341	3.61	662						
1498660 STAR-STEIN LEADER JOE.....		1	10	1-48	10	1.1	12,153	3.55	431	17	18	-45	.00	-2	-3
01-26-66 1442573 5992289 1-73					17		12,182	3.59	437						
1498672 BAYPORT ERIC DIVIDEND.....		1	22	1-35	22	1.8	14,627	3.65	534	10	25	-125	+.01	-3	-6
02-21-66 1273756 5107893 5-73					12		15,213	3.64	553						
1498679 LUOVUE SKYLINE COMET.....	35-21	35	1	5-35,41,	41	1.2	14,475	3.79	549	3	68	-7	+.08	+11	+9
03-28-66 1242338 5493608 5-73				42,45,47	17		14,498	3.69	535						
1498699 DON AUGUR IVANHOE BLEND.....		1	10	1-34	10	1.6	12,875	3.70	477	25	20	-78	.00	-3	-5
02-22-65 1415806 5916551 5-73					23		13,145	3.77	496						
1498703 CURLES BARON PANSY.....		2	42	1-52	44	1.2	15,973	3.59	574	9	25	+109	+.01	+5	+7
11-18-65 1308796 5570624 5-73					109		15,656	3.56	557						
1498741 FERNDELL SKOKIE DAUNTLESS.....*		2	10	2-35,74	12	1.5	14,124	4.05	572	13	23	-154	+.06	+3	-2
04-15-66 1460581 5361593 5-73					53		14,844	3.79	562						
1498743 DELFKES CAPTAIN ADMIRATION....*		3	7	2-35,41	13	1.2	12,157	3.89	473	42	27	-490	+.06	-10	-23
01-01-66 1446733 4997735 5-73					11		13,930	3.70	515						
1498752 HAHN FARMS MARQUIS.....*		3	7	2-32,61	15	1.7	13,297	3.21	427	13	33	-36	-.07	-11	-10
02-18-66 1459996 4858738 5-73					49		13,301	3.43	456						
1498761 UNH HIGH MAGISTRATE.....	93-16	49	9	8-12,86,	204	1.2	16,837	3.59	605	14	83	-547	+.14	0	-17
02-19-66 1126307 5170396 5-73				91,92,93	94		17,842	3.45	616						
1498763 TOPS GINA REFLECTOR BUZZ.....*		14	3	5-11,12,	24	1.6	14,357	3.53	507	14	54	-589	-.09	-34	-46
08-27-65 1298831 5076424 5-73				13,14,52	24		15,578	3.71	578						
1498804 LEEVALE REBUR PUNCH SUPREME...		3	13	1-42	22	2.3	16,674	3.57	595	5	35	+496	-.01	+16	+28
09-11-65 1347065 5572405 5-73					16		15,361	3.60	553						
1498820 OLD LAND RAG APPLE SENTRY.....*		2	22	1-35	24	1.8	15,950	3.50	558	26	27	+63	-.06	-6	-3
09-11-65 1420413 5235678 5-73					18		15,861	3.72	590						
1498828 NEDROB LILLY JANET ELMER.....		2	35	1-46	41	2.2	12,841	3.40	437	3	31	-305	+.04	-5	-13
08-06-65 1405743 5526282 5-73					6		13,761	3.26	448						
1498872 GOLDEN OAKS MARQUIS.....*		5	13	3-32,33,	24	1.1	15,179	3.39	514	18	31	-1	-.01	-2	-2
06-06-66 1459996 5090712 5-73				74	23		15,273	3.44	525						
1498896 MERKING SURPRISE.....		2	9	1-51	11	1.1	16,513	3.32	549	**	21	-60	-.02	-5	-6
11-25-65 1290151 3280679 5-73					23		17,080	3.43	586						
1498916 ADWOLFE CENTURION ROCKET.....		2	8	2-52,63	10	1.2	14,089	3.57	503	**	21	+49	+.01	+3	+4
03-18-66 1413165 4869660 5-73					8		13,789	3.52	485						
1498918 TESCH-VIEW R A VENTURE.....*		4	3	2-33,61	10	1.4	14,322	3.47	497	20	31	+129	-.04	-1	+3
11-02-65 1357743 4383819 1-73					21		13,851	3.62	501						
1498923 LAVACRES SALLY BARON.....		2	25	1-93	29	1.3	18,632	3.48	649	7	26	+189	-.01	+6	+11
05-04-66 1308796 5261583 5-73					120		18,285	3.49	639						
1498933 STERK EXRANCO MAGIC.....*		3	18	1-93	36	1.4	19,551	3.61	706	28	37	+141	.00	+5	+8
04-28-66 1253351 5747233 5-73					113		19,701	3.61	711						
1498939 STILLAGUAMISH MARQUIS MASTER..*		5	19	1-91	43	1.1	16,512	3.50	578	0	38	-18	-.09	-13	-11
12-29-65 1459996 5328545 5-73					35		16,802	3.71	624						
1498940 STILLAGUAMISH PRAIRIE ELMER...*		5	8	1-91	23	1.3	15,416	3.50	540	15	39	-220	-.06	-17	-21
07-15-65 1291499 5012998 5-73					37		16,150	3.67	593						
1498947 ROLYN MARQUIS PIONEER.....*		1	10	1-32	10	1.5	12,586	3.87	487	22	20	-218	+.01	-7	-12
02-17-66 1459996 5978453 9-72					25		13,603	3.90	530						
1498971 ATHLONE 4I HOPE.....*		6	11	2-34,41	19	1.4	15,027	3.49	524	6	31	+55	-.04	-4	-2
05-18-66 1250992 5432331 5-73					354		14,902	3.65	544						
1498981 GREENVIEW PIEBE G BOY.....*		3	21	1-21	25	1.2	14,843	3.27	486	21	25	-246	+.01	-8	-14
05-17-66 1282185 3389004 5-73					24		15,977	3.27	523						
1498986 CLEAR CREEK HARBORCREST SAM...*		1	10	1-31	10	2.0	14,689	3.41	501	**	22	+282	-.04	+4	+12
12-02-65 1406271 4725277 1-73					57		13,312	3.58	477						
1498994 LEVEL LAWN FOND OYNASTY.....		2	21	2-35,45	23	1.3	11,154	3.49	389	0	24	-142	-.05	-12	-14
08-09-65 1250992 4819803 1-73					15		11,457	3.81	436						
1499003 O TIDY BURKE CEDAR.....		3	17	2-47,48	27	1.6	15,621	3.48	543	8	32	+22	-.03	-3	-2
10-08-65 1419755 5980937 5-73					32		15,680	3.56	558						
1499013 RICHMAN IMPERIAL.....*		4	21	2-21,23	27	1.4	13,824	3.80	525	13	28	+68	+.01	+4	+5
01-15-66 1256243 5467251 5-73					17		13,485	3.77	509						
1499018 OEWITT FURY KIT ANTON.....		1	15	1-43	15	1.9	13,546	3.32	450	20	24	-344	-.01	-14	-22
01-15-66 1381027 5587923 5-73					11		15,062	3.40	512						
1499028 VICTORY-ACRES SOVEREIGN CHIEF.		1	14	1-31	14	1.9	11,990	3.40	408	0	23	-275	-.02	-13	-19
08-13-65 1298831 5691189 5-73					5		13,032	3.55	462						
1499039 BELVEDERE BELLE PRIDE.....	31-07	26	4	6-34,41,	40	1.4	14,429	3.55	512	16	62	-427	+.02	-13	-24
03-22-65 1237057 3598702 5-73				42,45,87	26		15,197	3.53	537						
1499042 OAIRYFOLKS IMPERIAL KNIGHT....*		4	8	1-92	14	1.9	16,661	3.81	635	0	32	+490	+.01	+19	+30
01-03-66 1242221 5664624 5-73					35		15,190	3.83	582						
1499111 KLUGDALE MAJESTY PONCHO.....		1	26	1-35	26	1.3	14,587	3.65	533	19	23	-55	.00	-2	-3
09-25-65 1293580 4586590 5-73					18		14,879	3.70	551						
1499133 ALEO PEB PAT.....	21-10	58	1	7-11,13,	65	1.6	17,607	3.45	608	7	78	+1,723	-.13	+41	+86
01-04-66 1282596 5602680 5-73				14,16,21	28		15,519	3.60	559						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HO	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS/DAU HM/DAU	REC/DAU HEROMATE	MILK	%	FAT	% 1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1499141 WESTMORELAND WALLIE DUKE.....*		3	7	1-31	10	1.5	15,515	3.83	594	0	24	-93	+.02	-1	-4
09-15-65 1190632 4590077 1-73					11		16,070	3.80	610						
1499158 EJLANE ALERT VIGILANTE.....*		3	37	2-31,32	43	1.5	13,450	3.62	487	11	28	-259	+.01	-8	-14
08-22-65 1413027 5176159 5-73					54		14,358	3.60	517						
1499173 MARESKI MAX MAN-O-WAR.....*		3	8	2-86,93	13	1.6	19,362	3.18	616	8	28	+375	-.09	0	+11
02-22-66 1437633 4642421 5-73					40		18,399	3.42	629						
1499186 OAB PURE GOLD NILES.....*		2	13	1-42	15	1.7	13,611	3.75	511	27	24	-31	+.03	+3	+2
03-06-65 1326796 3842788 5-73					28		13,672	3.63	496						
1499191 BROWNSON GRAPHIC VENTURE.....		1	24	1-34	24	2.1	15,010	3.15	473	13	26	+116	-.06	-5	-1
07-12-65 1320015 5472948 5-73					20		14,585	3.39	494						
1499193 LONG HAVEN WINTER REROYAL.....*		1	13	1-34	13	1.7	18,375	3.35	615	18	22	+110	-.01	+2	+5
11-26-65 1192713 5150709 5-73					17		18,269	3.38	618						
1499226 ELDONON WIL-O-WHIT FIREBALL...		4	15	2-35,74	23	1.4	15,989	3.58	572	8	30	+132	+.03	+9	+11
11-27-64 1294703 4010967 5-73					14		15,679	3.46	543						
1499230 FARMGROVE ROLLO SPECK MARQUIS.*		6	5	4-21,23,	16	1.3	14,207	3.65	518	54	36	-581	+.01	-19	-33
10-15-65 1459996 5149679 5-73				51,52	23		16,002	3.62	579						
1499247 ALTURA COMET MAJORITY.....		1	19	1-41	19	1.4	14,677	3.63	533	31	23	-2	.00	0	0
C1-09-66 1383004 4583117 5-73					10		14,725	3.63	535						
1499249 LEATHERBROOK DIAMOND FURY.....*		1	12	1-31	12	1.3	17,374	3.19	555	17	20	+162	-.09	-7	-1
C6-13-66 1381027 4997632 1-73					23		16,798	3.61	606						
1499284 TRI-ACRES FIRE BOY.....		1	10	1-32	10	1.8	10,341	3.59	371	0	21	-489	.00	-17	-29
01-17-66 1462615 5256161 5-73					5		12,497	3.61	451						
1499292 BSH TEXAL HONEYMAN.....	35-21	10	1	2-41,42	10	1.6	15,409	3.49	538	0	37	+214	-.07	-3	+4
C2-02-66 1265694 5531655 5-73					23		14,885	3.72	553						
1499301 WILFARMS CRISS IDEAL LEADER...		2	17	1-34	19	1.3	15,599	3.63	567	53	24	-314	+.01	-10	-18
12-20-65 1378594 4972545 5-73					36		17,209	3.64	626						
1499302 FORT-WAY LOCHINVAR SEARS.....*		2	12	2-16,21	15	1.1	14,389	3.68	530	0	23	+107	.00	+4	+7
C3-12-66 1385978 4916472 5-73					18		13,873	3.68	511						
1499304 GRAY VIEW MOD MEADOWS WAYNE...*		10	2	7-33,41,	16	1.6	12,929	3.60	465	7	45	-365	+.01	-12	-21
C2-20-66 1396617 5970870 5-73				42,61,64	23		13,673	3.60	492						
1499314 ROBURKE SKYWAY DOUBLE.....*		4	6	1-41	23	2.1	12,599	3.57	450	17	46	-707	-.02	-28	-44
07-07-65 1396885 4419507 5-73					11		14,117	3.63	512						
1499318 M-MAPLEGROVE LACROSS CRIS-TWIN*		1	12	1-23	12	1.8	16,864	3.76	634	0	22	+247	-.01	+8	+14
C1-02-66 1378594 4224322 5-73					18		15,901	3.82	607						
1499320 LOS NOGALES NIMITZ.....*		7	8	2-51,73	22	1.2	13,797	3.62	500	33	37	-350	+.04	-7	-16
C3-06-65 1237057 4592881 1-73					46		14,776	3.53	522						
1499329 ALTWI WALDORF CHARLIE.....*		2	11	1-23	16	1.6	15,878	3.72	591	13	28	-274	+.01	-9	-16
10-11-65 1309574 5715878 5-73					17		17,149	3.73	639						
1499334 MEL-DELIN MARQUETTE.....		2	18	1-93	29	1.1	14,751	3.55	523	31	30	-121	.00	-4	-7
C3-05-66 1459996 4813354 5-73					38		15,245	3.55	541						
1499335 MANCRYCO RABURKE LEE.....*		5	4	3-42,46,	10	1.4	15,291	3.60	550	0	28	+150	-.02	+2	+6
C1-09-65 1339672 5016189 5-73				47	13		14,798	3.68	545						
1499339 HARTSBROOK SUPREME STAR.....*		3	18	1-21	26	1.1	14,811	3.65	541	0	28	+16	-.01	-1	0
11-28-65 1410984 5054113 5-73					21		14,793	3.72	550						
1499340 HARTSBROOK BOOTMAKER.....*		1	12	1-14	12	1.7	15,038	3.80	571	33	22	+166	+.02	+9	+12
C1-01-66 1450228 5173237 5-73					9		14,255	3.70	528						
1499352 OON-SAWYER ROYAL KING.....		7	11	1-21	29	1.3	15,458	3.63	561	10	40	+57	+.06	+11	+11
02-21-66 *1215402 5217530 5-73					32		15,417	3.47	535						
1499354 LEE-HAVEN ROYAL GENE-TWIN.....*		1	26	1-21	26	1.4	12,407	3.37	418	9	24	-82	-.03	-7	-8
C3-23-66 1278644 5734662 5-73					35		12,572	3.53	444						
1499363 DIAMOND J DUSTY IVANHOE PRIDE.		1	11	1-93	11	1.1	17,708	3.47	615	14	19	+276	-.04	+4	+12
C4-24-66 1205185 5900588 1-73					129		16,426	3.66	602						
1499367 OON AUGUR PRIDE JEWEL.....*		7	13	3-13,21,	50	1.6	16,146	3.62	585	14	52	+121	-.05	-3	+1
C9-02-65 1415806 5211155 5-73				43	36		16,082	3.73	600						
1499368 OON AUGUR FAMILY PROGRESS.....*	35-05	132	3	10-33,34,	234	1.4	15,575	3.50	545	13	91	+255	-.18	-17	-6
C9-24-65 1415806 3925133 5-73				35,41,42	25		15,396	3.70	570						
1499371 SCHWERTZER GAYBLADE OUTCH.....		1	11	1-34	11	1.2	13,780	3.51	483	10	19	+52	.00	+2	+3
10-24-65 1413583 5280192 5-73					18		13,410	3.50	470						
1499381 CLEM-EL FARM REFLECTION MARK..*		4	5	2-14,21	10	1.6	18,343	3.35	615	11	27	+703	-.06	+16	+34
09-07-65 1459996 4849750 9-72					27		15,889	3.53	561						
1499386 MOD MEADOWS REFLECTION MARK..*		12	3	8-33,61,	24	1.5	12,719	3.62	461	32	52	-766	.00	-27	-45
10-13-65 1459996 4112346 5-73				73,74,85	26		14,185	3.62	514						
1499387 MOD MEADOWS REFLECTION BJO....		19	2	9-33,35,	23	1.4	15,110	3.63	549	18	55	+328	+.01	+13	+21
11-14-65 1459996 4315590 5-73				41,61,73	25		14,521	3.62	525						
1499407 RAVENGLEN TRIUNE MAPLE.....*		4	37	1-33	43	1.4	10,962	3.80	417	10	27	-516	-.01	-20	-32
09-20-65 1370471 5573210 5-73					15		12,687	3.88	492						
1499409 ALBERTVILLE CINDY SKYCROSS....*		6	17	1-35	26	1.6	13,167	3.58	472	28	31	-478	-.05	-24	-34
C8-29-65 1441148 5116876 5-73					29		14,744	3.76	555						
1499415 CROCKER ROMAN LEONA POSCH.....*		2	9	1-31	11	1.5	15,259	3.81	581	20	22	-68	+.02	0	-2
02-27-66 1459996 4458038 5-73					66		15,696	3.73	586						
1499421 VISTA GRANDE WALLIE SUPREME...*		3	8	1-23	15	1.4	12,404	4.01	498	18	30	-207	+.05	-1	-7
12-10-65 1372426 3260344 5-73					27		12,958	3.88	503						
1499451 VSF ZENITH GLENAFTON.....		2	8	1-52	12	1.4	12,885	3.74	482	0	26	-165	-.06	-14	-16
05-25-66 1357033 3713502 5-73					17		13,431	4.05	544						
1499475 WILSONDALE ADMIRAL DESIGN.....*		2	8	1-11	10	1.3	13,260	3.44	456	0	21	-365	+.02	-11	-20
C9-25-65 1308429 5643543 1-73					15		15,072	3.40	513						
1499480 ELMER BROOK CHARMER.....*		4	5	3-35,42,	10	1.4	14,170	3.85	545	30	26	-31	+.03	+3	+2
12-01-65 1413771 5975448 5-73				65	14		14,281	3.74	534						
1499497 ELM CLIFF CORLO OEAN CHEM ORLO*		1	21	1-21	21	1.5	18,190	3.50	636	0	23	+295	.00	+10	+17
C2-13-66 1348259 4422515 1-73					20		17,211	3.49	601						
1499501 VALMEDO SON OF FURY.....*	31-02	42	2	6-31,43,	67	1.1	15,817	3.67	580	8	74	+595	+.04	+27	+40
C4-16-66 1381027 5200703 5-73				56,64,93	33		15,086	3.62	546						
1499504 WITH-ROW MARQUIS SKYLINE.....		1	17	1-71	17	1.6	15,618	3.39	529	24	23	+37	+.03	+6	+6
C6-17-66 1459996 5451735 5-73					21		15,578	3.20	499						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HO	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS HM/DAU	REC/DAU HEROMATE	MILK	%	FAT	%	1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1499508 MCEVOY ELEVATION NELSON.....		1	22	1-21	22	1.3	14,099	3.42	482	5	23		+153	.00	+6	+10
11-24-65 1271810 4334906 5-73					27		13,323	3.37	449							
1499510 LANTLAND LASS LEADER.....*		1	13	1-21	13	1.5	18,469	3.35	619	15	21		+133	-.01	+3	+6
12-28-65 1459996 4190221 5-73					38		18,222	3.38	615							
1499518 LINDEN WESTLINE PAPOOSE.....		1	11	1-35	11	1.6	13,494	3.57	482	**	21		-202	-.01	-8	-13
07-07-64 1234073 4247278 5-73					6		14,487	3.64	527							
1499559 KELMILL PIETJE A 8 C.....		2	29	1-52	38	1.4	14,114	3.66	516	33	29		-178	.00	-7	-11
08-28-65 1276654 5595643 5-73					25		14,771	3.71	548							
1499573 OON AUGUR OHIO FIRST CHOICE...*		4	18	1-31	41	1.4	15,633	3.64	569	22	40		+57	.00	+2	+3
10-12-65 1415806 6126984 5-73					16		15,611	3.65	570							
1499574 OON AUGUR KNEBELS ROYAL STAR..*		3	12	2-32,35	19	1.5	15,710	3.97	624	17	30		+12	+.05	+8	+7
04-07-65 1397752 5671290 5-73					17		15,810	3.84	607							
1499580 RUANN KNIGHT TRIUNE.....		4	27	1-93	38	1.6	17,999	3.51	631	27	32		+270	+.03	+14	+20
03-02-65 1242221 4644464 5-73					34		17,447	3.41	595							
1499581 FRANLANE BLACK KNIGHT.....	93-19	11	20	1-93	115	1.4	20,236	3.56	721	3	63		+1,485	+.04	+60	+94
05-23-65 1242221 4174453 5-73					221		18,279	3.49	638							
1499594 ARDEE SHAMROCK ELMS CITATION..*		1	10	1-35	10	1.8	16,412	3.30	541	20	21		+568	-.06	+12	+27
01-01-66 1492073 5891994 5-73					12		13,672	3.53	483							
1499611 SACQUITNE SUPREME PIONEER.....		2	12	1-42	14	1.4	13,087	3.83	501	0	23		-137	+.03	-1	-5
10-28-65 1232880 6098062 5-73					13		13,613	3.75	511							
1499634 LADY WOODS MAX CAESER.....*		1	10	1-91	10	1.6	13,240	3.57	473	0	21		-511	+.02	-15	-28
08-18-65 1382768 5499968 9-72					32		15,886	3.47	552							
1499644 LUTRES REFLECTION ORMSBY.....*		2	23	1-42	25	1.6	13,508	3.74	505	8	26		-207	+.01	-6	-11
12-10-65 1408738 4649114 5-73					39		14,308	3.72	532							
1499673 COVE BREEZE ERIC BENNIE.....*		8	2	2-50,51	14	1.8	13,312	4.01	534	8	43		-521	+.05	-12	-26
09-01-65 1273756 5118337 5-73					27		14,528	3.91	568							
1499675 WIS SYMBOLIC LAD.....		2	9	1-43	11	1.6	13,409	3.54	475	14	23		+250	.00	+9	+15
02-02-66 1435884 5272129 5-73					33		12,083	3.53	427							
1499678 WIS PIONEER CHAMPION-TWIN.....*		4	6	1-35	12	1.0	13,897	4.04	561	17	26		-195	+.04	-1	-7
05-31-66 1292880 5322888 5-73					40		14,678	3.92	576							
1499682 WOODLEDGE ALSTAR PILOT.....		1	20	1-52	20	1.4	15,796	3.87	611	21	23		-174	+.08	+5	-1
05-05-66 1261857 5755295 5-73					34		16,802	3.56	598							
1499685 SPRING SHADE WALLIE MAJOR.....*		1	12	1-23	12	1.2	16,099	3.82	615	17	19		+270	+.02	+13	+19
05-25-66 1372426 5440971 5-73					30		14,745	3.73	550							
1499687 SPRING SHADE HURSH BOY.....		1	18	1-23	18	1.4	14,470	3.79	548	22	23		-125	+.03	0	-4
07-20-65 1372426 5440974 5-73					8		15,100	3.65	551							
1499691 U V M MAJESTY HEADLINER.....*		2	13	2-13,21	15	1.3	15,061	3.36	506	0	23		+56	-.03	-2	0
04-04-66 1457932 4647825 5-73					13		14,865	3.49	519							
1499715 VERNWAY PONTIAC ELMER.....		3	7	1-91	17	1.9	14,955	3.63	543	12	37		-440	+.03	-12	-23
02-06-66 1391977 4238244 5-73					22		16,348	3.57	584							
1499724 SANMARGALE ROBURKE HUMMER.....	31-07	29	2	3-31,61,	46	1.0	15,382	3.44	529	16	66		+140	-.12	-13	-6
11-26-65 1035164 4623747 5-73				84	20		15,256	3.63	554							
1499743 YARSONS SEVENS SUCCESSOR J....*		1	10	1-23	10	1.6	14,015	3.82	536	20	21		-159	+.01	-5	-9
04-07-66 1239242 4534397 5-73					10		14,842	3.84	570							
1499756 BRYOENFARMS PREMIER PRINCE....		2	11	1-21	13	1.6	14,189	3.68	522	38	24		-178	+.03	-2	-7
08-23-65 1331709 5546134 5-73					14		15,014	3.58	537							
1499772 LIME HOLLOW ELSIE ROBURKE OEAN	35-75	21	2	8-23,35,	28	1.8	17,779	3.37	600	11	61		+773	-.12	+10	+32
01-08-66 1365220 5127470 5-73				55,57,93	97		16,735	3.53	590							
1499779 SWEET HAVEN EL CID.....		2	23	1-93	25	1.5	18,711	3.40	636	0	25		-26	+.01	+1	0
07-11-65 1239242 5117639 5-73					75		19,312	3.35	646							
1499787 JC KIT BUOD.....*		1	12	1-93	12	1.0	17,843	3.61	645	9	19		+54	+.05	+9	+9
03-30-66 1421797 5081046 5-73					64		17,903	3.38	606							
1499792 AGRO ACRES MAROUIS TRIUMPH....*		10	2	3-52,54,	20	2.3	14,847	3.48	517	7	53		+52	-.01	0	+2
11-06-64 010260008 011383622 5-73				55	17		14,787	3.50	517							
1499845 HOLTEX GLAMOUR FOBES.....	31-07	25	3	6-31,33,	49	1.2	14,806	3.58	530	16	67		+410	+.04	-9	-20
01-18-66 1282185 4222805 5-73				61,65,74	40		15,537	3.53	548							
1499875 AIRYTOP SIR SEELEY PEBLO.....	21-10	57	1	6-11,13,	63	1.6	16,607	3.41	567	5	78		+858	-.12	+12	+36
04-26-66 1282596 3304894 5-73				14,16,21	31		15,635	3.56	556							
1499878 EM BEE R A FOREMOST.....*		4	11	1-35	30	1.3	14,762	3.77	556	23	40		-108	+.03	0	-3
01-12-66 1390841 5283485 5-73					14		15,104	3.73	563							
1499901 SNIPSIC OEWOROP HOMESTEAD JOE.*	35-75	1	19	1-16	19	1.7	20,382	3.44	702	12	24		+710	-.04	+19	+37
08-17-65 1339807 4702702 5-73					81		17,749	3.58	636							
1499904 MILK & HONEY IVACRES FURY.....*		9	2	3-21,22,	12	1.1	15,685	3.59	563	33	36		+341	-.02	+9	+18
03-14-66 1381027 5472236 9-72				23	16		14,778	3.66	541							
1499905 MILK & HONEY HILL-TOP PAWNEE..*		4	3	4-13,16,	10	1.4	15,991	3.90	623	30	29		+106	+.03	+8	+10
04-07-66 1347065 4282302 1-73				22,23	46		15,769	3.84	606							
1499910 JOLUOI BRAUNS GINGER.....		1	19	1-93	19	1.5	17,547	3.28	576	17	23		+53	-.02	-1	+1
01-27-66 1258673 5699439 5-73					184		17,641	3.35	591							
1499914 JOLUOI BA VAR JOE.....		1	35	1-93	35	1.9	15,450	3.49	539	23	27		-338	+.03	-8	-17
12-28-65 1240549 4397527 5-73					178		16,964	3.41	578							
1499915 JOLUOI BA VAR EO.....		1	21	1-93	21	1.5	15,967	3.38	540	25	24		-204	.00	-7	-12
01-19-66 1240549 5347856 5-73					188		17,110	3.38	579							
1499921 ROSAND IVANHOE ZORA RINGO.....*		1	14	1-23	14	1.4	13,586	3.69	502	0	21		+23	-.02	-2	-1
03-08-66 1441440 4151958 5-73					19		13,379	3.84	514							
1499939 WALKER FARM GOVERNOR PIEBE....	35-75	24	1	11-21,35,	29	1.2	15,925	3.70	589	20	60		+627	+.04	+28	+42
06-14-66 1010936 4138158 5-73				41,52,55	27		14,932	3.65	545							
1499984 DIAMOND-HILL AUGUR RASSJO P...*		1	12	1-50	12	1.7	13,896	3.76	522	0	22		+149	.00	+5	+9
04-23-66 1415806 4968720 5-73					28		13,079	3.82	499							
1499985 DIAMOND-HILL AUGUR RIEINA P...*		6	25	3-22,50,	34	1.4	12,525	3.78	473	15	30		-387	+.02	-11	-21
05-31-66 1415806 5471819 5-73				51	23		13,766	3.73	513							
1499997 WAROIN MIDNIGHT RAY.....*		1	14	1-34	14	1.3	15,453	3.67	567	15	21		-155	+.02	-3	-7
02-26-66 1472213 5343859 5-73					49		16,402	3.62	594							
1500023 GLEN-DOOIE CLOVERBROOK REX....		1	32	1-41	32	1.5	13,194	3.67	484	6	25		-187	+.02	-4	-9
04-03-66 1315612 5362115 5-73					3		13,910	3.62	503							

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HO	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS HM/DAU	REC/DAU HERDMATE	MILK	% MILK	FAT	% FAT	1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1500056 HOJBIRK LUCIFER HERD.....		1	25	1-32	25	1.6	14,628	3.36	491		20	24	+203	-.06	-2	+5
10-05-65 1290182 5957984 5-73					7		13,727	3.65	501							
1500063 LHS LUCIFER SKYLINER KEN.....		2	16	1-34	26	1.6	16,964	3.56	604		38	33	+240	-.02	+5	+11
C8-26-64 1290182 5389234 5-73					31		16,434	3.63	597							
1500070 MANHEIM CITATION TRUSTY SPOT..*		3	5	1-21	11	1.2	15,249	3.44	525		33	26	-33	-.03	-5	-5
11-01-55 1425137 5264131 5-73					23		15,488	3.55	550							
1500074 WILLOW-HILL VAR PONTIAC.....		1	14	1-34	14	2.1	14,174	3.62	513		11	24	-203	.00	-8	-13
07-30-64 1397752 4420145 5-73					21		15,112	3.67	554							
1500093 BRJNNERS ADMIRAL KING.....*		1	12	1-35	12	2.0	15,616	3.61	563		8	23	+180	.00	+6	+10
C1-29-66 1397054 4499608 5-73					24		14,882	3.63	540							
1500101 BELVEDERE STANLEY UTAG.....		1	11	1-87	11	1.5	14,155	3.44	487		9	20	+24	-.04	-5	-3
11-27-65 1339836 5642958 1-73					10		14,000	3.71	519							
1500109 FAJNADALE MAPLE K B.....		1	10	1-35	10	1.3	15,398	3.73	575		0	19	-160	+.04	0	-5
C4-12-56 1386406 5024927 5-73					4		16,448	3.53	580							
1500112 KENLAWN MARQUIS CENTURION.....*		5	18	2-21,43	25	1.4	13,620	3.51	478		45	29	-477	+.01	-16	-28
C9-02-65 1459996 4463012 5-73					16		15,386	3.52	541							
1500118 VERNWAY REGIUS DIAMOND.....*		3	14	1-91	18	2.8	15,169	3.82	580		6	30	-102	+.07	+7	+3
11-28-54 1439051 4996521 5-73					41		15,634	3.59	562							
1500126 TEXAL WIL-DO THORNLEA.....*		8	9	1-74	24	1.2	14,701	3.54	520		50	37	-205	+.09	+5	-2
C5-08-65 010254804 6322044 5-73					22		15,355	3.30	506							
1500136 MOWRY-C MARQUIS PRIZE-TWIN....*		1	22	1-23	22	1.4	17,530	3.62	634		19	23	-102	+.03	0	-3
12-25-65 1459996 5288863 5-73					52		18,368	3.52	647							
1500145 FLJROALE REGAL CREST IMPERIAL.*		6	2	1-21	10	2.0	16,289	3.66	596		13	35	+119	+.04	+10	+12
12-06-65 1324688 5146859 5-73					24		16,122	3.55	572							
1500152 PAGELS JRMSBY JOAN SKYCROSS...*		4	12	2-42,43	20	1.3	15,891	3.74	594		31	30	-268	+.03	-5	-12
12-20-65 1441148 5873950 5-73					12		17,060	3.66	624							
1500169 WRENTHAM CHIEFTAIN PRINCE JDIE*		1	16	1-14	16	1.5	18,022	3.90	702		43	23	+22	-.01	0	+1
C3-30-56 1315612 5662766 5-73					34		18,315	3.97	727							
1500178 CAERNARVON NOEL PRINCIPAL.....	35-75	24	1	12-21,35,	30	1.2	16,807	3.47	583		20	60	+877	-.11	+15	+39
03-02-66 1315498 5312740 1-73				55,84,93	32		15,460	3.64	562							
1500182 FRAN-LOU SPARTACUS.....*		13	7	4-21,23,	42	1.7	13,668	3.77	515		23	58	-881	+.08	-21	-44
11-08-65 010229512 4485603 5-73				50,51	21		15,291	3.65	558							
1500199 ANTIGUA CANARY LEADER PRINCE..*		10	2	1-35	14	1.4	14,591	3.76	549		0	41	-224	-.01	-9	-14
10-08-65 1303502 6017782 5-73					17		15,223	3.81	580							
1500201 SILVIS FARM CRISSCROSS PRIDE..*		4	8	1-23	13	1.7	11,766	3.85	453		33	28	-639	+.08	-12	-29
03-06-66 1378594 4903983 5-73					17		14,022	3.55	498							
1500250 MAGSFARM FOBES CRISSCROSS.....*		8	3	1-21	14	1.3	13,816	3.76	520		21	38	-544	+.11	-5	-21
01-30-66 1378594 5020829 5-73					28		15,358	3.51	539							
1500264 OARK PIONEER OCALA.....*		1	14	1-71	14	1.2	12,281	3.56	437		0	20	-356	+.03	-8	-17
C2-15-66 1292880 5203992 5-73					29		13,990	3.42	479							
1500274 WESHOLME RAG APPLE MARO.....*		4	11	1-23	28	1.5	15,455	3.79	586		11	40	+15	+.02	+4	+4
11-26-65 1459996 4418094 5-73					18		15,530	3.75	583							
1500279 DEANMAR FOBES MARQUIS.....*		1	17	1-31	17	1.6	14,505	3.66	531		12	23	-157	-.02	-9	-12
12-15-65 1459996 5155141 5-73					24		15,293	3.81	582							
1500283 REX-IDA NACHES FOBES DAGAN....*		1	26	1-82	26	1.6	14,229	3.55	505		9	25	+58	+.01	+4	+5
C9-22-55 1223243 5200205 5-73					25		13,948	3.49	487							
1500321 LONDON WIN DUNFLO JAKE.....		3	12	1-31	19	1.6	14,655	3.60	528		37	30	-642	-.01	-24	-39
C3-24-55 1404518 5463097 5-73					81		17,098	3.65	624							
1500322 LONDON WIN DUNFLO CHARLES.....		2	11	1-31	21	1.6	15,479	3.42	530		19	33	-663	-.06	-32	-46
C4-13-65 1404518 4752379 5-73					68		17,821	3.60	641							
1500323 LONDON WIN DUNLOGGIN JAY.....		1	16	1-31	16	1.7	16,418	3.58	587		13	23	-240	-.03	-13	-18
04-25-66 1404518 5489819 1-73					88		17,787	3.71	660							
1500324 LONDON FAYNE WIN POSCH.....*		2	16	1-31	18	1.8	16,105	3.73	600		17	26	-347	+.02	-10	-19
C4-14-66 1441111 5089616 5-73					85		17,796	3.69	656							
1500347 FLYNN FIELD SIR OS IVANHOE....*		7	8	2-35,47	24	1.5	14,636	3.64	533		8	40	+314	+.01	+13	+20
11-13-65 1287090 5520046 5-73					37		13,796	3.62	500							
1500354 GOLDEN OAKS ROYAL PONTIAC.....*		3	6	2-33,42	11	1.0	14,953	3.42	512		0	24	+10	-.01	-1	-1
C7-19-66 1397752 4864089 1-73					35		14,967	3.47	520							
1500395 KAWAWAKA GRAND GOV.....	48-01	96	5	2-48,73	234	1.4	14,969	3.38	506		18	89	+26	-.11	-15	-12
01-30-66 1277619 5391804 5-73					30		15,001	3.49	524							
1500404 HARBORCREST MARCUS-TWIN.....*	31-02	135	3	16-31,32,	219	1.0	16,306	3.43	560		15	90	+837	-.19	+1	+26
04-19-56 1381027 5054916 5-73				43,56,57	26		15,482	3.64	563							
1500439 WILSON-FARMS MARQUIS MAINE....*		13	1	2-11,52	16	1.4	13,583	3.78	513		19	47	-742	+.04	-21	-40
C2-19-56 1459996 4483803 5-73					17		15,264	3.69	564							
1500446 ADAIR VICTOR PABST BOY-TWIN...		6	57	2-86,93	77	1.3	13,770	3.53	486		29	31	-387	-.01	-15	-24
C1-24-66 1274685 5256258 5-73					324		15,078	3.57	538							
1500453 DANOY-LANE COMET ROMEO.....*		2	11	1-34	22	2.8	13,533	3.08	417		**	38	+347	-.17	-12	+1
C5-22-50 1283313 3541277 5-73					6		12,408	3.57	443							
1500461 FRAN-LAN OAGAN JIM.....*		2	11	1-21	13	2.4	16,024	3.35	537		0	26	+230	-.04	+2	+9
C9-26-65 1223243 4483551 5-73					12		15,232	3.47	529							
1500466 BRAINTRIM DAMA KINGPIN.....		1	15	1-23	15	1.1	13,052	3.81	497		20	20	-202	+.04	-1	-7
C6-07-56 1347940 4782748 9-72					12		14,012	3.62	507							
1500468 SANDSDALE FOREMOST.....*		12	2	3-21,23,	18	1.2	12,069	3.74	451		45	44	-1,131	+.03	-37	-65
C9-06-65 1459996 4677412 1-73				55	19		14,669	3.68	540							
1500472 BON-DEM COMRADE CHAMPION.....*		1	26	1-35	26	1.5	13,809	3.95	546		20	24	-288	+.06	-2	-10
02-10-56 1335721 5175170 5-73					19		15,061	3.73	562							
1500516 BSH IRON LEADER COMRE.....	35-21	15	1	3-35,41,	16	1.3	14,855	3.58	532		23	46	+158	-.05	-1	+4
04-01-66 1242338 4982412 5-73				47	22		14,527	3.71	539							
1500531 LJC DINA SEGIS IVANHOE SAM....*		4	8	3-52,55,	13	1.2	15,437	3.49	539		17	26	+39	-.01	0	+1
C1-29-66 1448844 3143187 5-73				63	19		15,384	3.52	541							
1500533 CCA WHITE SUNSHINE.....*		3	5	1-43	11	1.6	16,637	3.61	601		27	28	+304	+.02	+14	+21
12-19-65 1406271 5404694 1-73					17		15,685	3.53	553							
1500576 TOBYLAND HOPEFUL STAR MAN.....		2	6	1-35	11	1.7	14,850	3.49	519		0	28	+310	-.04	+5	+13
04-20-66 1410984 4695239 5-73					12		13,696	3.64	498							

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS REC/DAU HM/DAU	MILK HERDMATE	% MILK	% MILK	FAT FAT	% FAT	1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1500586 WILLOWLYN ASTRONAUT PAT.....		2	12	1-52	14	1.3	16,671	3.50	583	10	23	+107	-.03	-1	+2
03-29-66 1458744 5223655 9-72					31		16,396	3.65	599							
1500594 DAVIE CRESCENT VIEW SENSATION.		3	10	1-34	14	1.4	15,459	3.58	554	27	25	+176	.00	+7	+11
09-20-65 1298372 5528070 5-73					9		14,800	3.57	529							
1500598 TOWNVUE OEAN MARK.....*		3	9	1-41	15	1.0	10,920	3.58	391	20	26	-959	-.01	-36	-59
05-20-66 1459996 4950965 5-73					11		14,619	3.67	536							
1500606 WILLOWLYN SKYCROSS SULTAN.....*		1	31	1-52	31	1.3	12,988	3.80	493	29	24	-237	+.04	-3	-10
04-22-66 1441148 5555863 5-73					80		13,950	3.63	507						
1500609 SHADYVALE PEARL PRIDE.....*	31-07	55	5	2-32,34	106	1.3	16,914	3.59	608	12	79	+800	-.08	+16	+37
05-06-66 1029659 4341355 5-73					25		16,070	3.71	596						
1500611 MENDELSSOHN MAGIC IVANHOE.....*		3	12	1-51	17	2.4	14,730	3.72	548	7	31	-139	+.01	-3	-7
03-07-65 1360955 5335764 5-73					22		15,270	3.71	567						
1500638 LOWNESDALE LUCINDA MEL.....*		3	17	2-23,55	21	1.3	14,031	3.58	503	7	25	+88	-.02	0	+3
02-03-66 1408738 5031950 1-73					16		13,605	3.69	502						
1500667 ARLENDEL MAGIC MALLARY.....*		2	7	1-35	10	1.1	15,339	3.96	608	11	22	+160	+.02	+9	+12
01-25-66 1352968 5683178 1-73					16		14,627	3.90	570						
1500703 EDNACHESTER LAKEFIELD STAR....*		4	8	2-21,55	16	1.4	14,070	3.44	484	14	30	-25	-.01	-3	-3
12-20-65 1243697 5381324 1-73					14		14,129	3.50	495						
1500713 KEWOC PONTIAC PABST.....*		4	5	2-35,61	14	1.3	12,998	3.52	458	36	33	-549	-.01	-21	-34
06-23-65 1412433 4681860 5-73					20		14,724	3.57	526						
1500728 SUNFLOWER P V LEADER.....		1	23	1-47	23	2.2	15,825	3.51	555	9	27	-3	-.02	-3	-3
07-19-65 1443425 5101102 5-73					18		16,000	3.59	575						
1500748 GRAYDAWN ORMSBY ERIC.....*		3	5	2-12,54	12	1.7	14,383	3.74	538	10	32	+37	.00	+1	+2
05-01-66 1273756 5346665 1-73					22		14,255	3.76	536						
1500759 MOY-ACRES LUCIFER WAYNE.....*		1	21	1-21	21	1.4	18,265	3.78	691	11	23	+285	+.01	+12	+18
05-28-66 1272013 5510350 1-73					34		17,337	3.77	653						
1500771 KOM BOSS PONTIAC OLIVER.....*		1	19	1-34	19	1.5	14,601	3.75	548	20	23	-4	-.05	-7	-6
07-10-65 1397752 5278738 5-73					16		14,649	4.03	591						
1500773 ADAMORE CONFIDEEN ROYAL.....	35-75	26	1	11-21,41,	33	1.4	17,204	3.68	633	7	64	+287	+.05	+17	+23
05-27-66 967873 5575238 5-73				55,91,93	65		17,015	3.62	616						
1500776 VAN-RAL SIR ADANTHA SHAWN.....*		1	10	1-21	10	1.0	14,754	3.28	484	33	18	-25	-.01	-3	-3
04-26-66 1278644 5277874 1-73					16		14,957	3.40	508						
1500797 NUNESDALE PERFORMER MEL.....*		8	6	3-35,41,	19	1.4	14,286	3.95	564	24	39	-683	+.07	-15	-33
04-14-66 1459513 4594401 5-73				47	19		16,247	3.79	616						
1500801 ROSAFE PEARL VOGELMAN.....*		38	16	7-21,23,	171	1.6	14,380	3.47	499	14	76	-337	-.10	-26	-32
C1-10-57 010249633 011165296 5-73				31,32,34	20		14,873	3.60	536						
1500806 CURTMAID PABST CHIEF BOON.....		1	53	1-93	53	1.3	18,948	3.69	699	12	25	+19	+.02	+4	+4
07-10-64 1249430 4292357 5-73					233		19,372	3.61	700						
1500823 OLSUMMIT A B S REROYAL PIETER.	35-75	25	1	11-41,55,	30	1.4	16,278	3.56	580	19	62	+34	-.01	0	+1
03-04-66 1192713 4139791 5-73				91,92,93	74		16,426	3.59	589						
1500845 WEST PRIDE CARNATION WATSON...*		4	3	2-42,46	11	1.0	11,574	3.76	435	0	30	-922	+.08	-22	-46
12-24-64 1389632 4876897 1-73					11		14,701	3.48	512						
1500847 WILBAR PRIDE ADMIRAL PEACHUM..*	91-13	1	25	1-93	25	2.2	18,922	3.54	670	0	27	+510	-.01	+17	+29
12-08-64 1237057 5574121 5-73					73		17,325	3.56	617						
1500858 MAPLE-R CITATION N.....*		3	23	3-31,33,	29	1.4	15,595	3.78	590	14	27	+14	+.05	+7	+6
03-31-66 1492073 6106601 1-73				57	87		15,670	3.64	570						
1500875 AQUIONECK GALLANT CAPTAIN.....*		1	19	1-15	19	1.8	15,357	3.55	545	16	24	+161	-.01	+4	+8
09-05-64 1329588 4706206 5-73					16		14,730	3.60	531						
1500894 SUNVAE CAPTAIN BOLOMAN.....*		3	6	1-33	14	1.4	12,609	3.66	461	**	30	-304	-.01	-13	-20
09-27-64 1431721 5615763 5-73					14		13,535	3.74	506						
1500915 LOMET EXAM DALO.....*		5	4	1-21	16	1.9	18,666	3.48	650	6	41	+552	-.03	+16	+30
11-25-65 1451982 5939072 5-73					38		17,634	3.52	621						
1500916 LOMET MARQUIS BOUNTY.....*		6	4	2-21,32	17	1.3	15,525	3.53	548	41	39	-321	.00	-12	-20
C1-04-66 1459996 5190127 5-73					34		16,576	3.55	589						
1500953 APPLE ACRES BUTTER TOPPER.....		2	12	1-41	14	1.4	14,780	3.47	513	**	23	-60	-.02	-5	-6
02-04-65 1222994 5025260 1-73					9		15,117	3.57	539						
1500956 FULTONWAY SKYLARK SEVENTH.....*		7	6	1-21	24	1.0	15,083	3.56	537	18	41	-474	-.02	-20	-31
C8-02-66 1239242 5670731 5-73					46		16,443	3.62	596						
1500968 LEO-BUR ELATION NICK.....		1	17	1-34	17	1.2	15,626	3.57	558	25	21	-151	+.03	-1	-5
08-05-66 1318980 5691972 5-73					48		16,552	3.46	572						
1500978 LOUDEN HILL ELEVATION.....*		6	9	3-21,23,	20	1.4	16,107	3.32	534	11	34	+597	-.12	+3	+21
10-20-65 1271810 5251621 5-73				32	64		14,345	3.66	525						
1500988 MITCHELL-ACRES PRIDE ADMIRAL..*		1	15	1-16	15	1.0	12,120	3.99	483	87	20	-212	+.02	-5	-11
C2-28-66 1237057 4532833 1-73					54		13,069	3.93	513						
1500989 SNI-VAL REFLECTION SENATOR....		12	8	3-46,47,	30	1.6	13,910	3.77	525	25	47	-253	.00	-9	-15
C1-19-65 1252985 5475292 5-73				48	16		14,453	3.81	550						
1500995 KNOLLDETTE SKYCROSS OLIE.....		1	13	1-35	13	1.5	13,559	3.55	482	23	22	-70	-.04	-8	-9
01-02-66 1441148 6002356 5-73					23		13,833	3.77	522						
1501028 LESVIEW SKOKIE DICK.....		1	31	1-63	31	1.8	14,755	3.59	529	3	27	-70	+.01	-1	-3
01-02-66 1315498 5768940 5-73					15		15,093	3.56	537						
1501045 FERTILE-MEADOWS EUTOPIA NORWAY*		4	9	1-35	21	1.1	14,331	3.44	493	**	33	+79	-.05	-4	-1
C5-05-56 1462852 4806953 5-73					31		14,059	3.61	508						
1501057 HARTFORD TOR BUTTERBOY.....		2	13	1-41	16	1.9	8,855	3.65	323	15	27	-378	.00	-14	-23
09-26-63 1257762 4673207 5-73					5		9,787	3.72	364						
1501058 WIL-MAR IVANHOE MIMI JOE.....*		6	12	2-51,54	25	1.4	14,224	4.01	570	4	34	+65	+.05	+10	+10
C3-10-66 1392774 5279617 5-73					38		13,994	3.88	543						
1501069 RONELEE MAGIC MIKE.....*		1	16	1-91	16	1.3	17,807	3.66	651	14	21	+336	-.05	+5	+14
02-22-65 1297472 4778523 9-72					34		16,428	3.88	637						
1501077 WAWACO MAGIC PHOENIX.....*		1	13	1-91	13	1.5	16,282	3.49	568	15	22	-255	.00	-9	-15
C4-11-66 1297472 5757384 1-73					98		17,810	3.51	626						
1501093 LYNETT MARSHALL JACK.....*		6	2	2-21,23	11	1.6	14,253	3.52	502	20	34	-235	+.02	-5	-11
C7-29-66 1425137 3911371 5-73					32		15,001	3.45	518						
1501141 NELACRES SOVEREIGN PIERRE-TWIN*	23-09	2	11	1-13	13	1.4	16,804	3.87	651	10	23	+105	+.13	+22	+21
02-11-66 1298430 4609606 5-73					20		16,558	3.38	560						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS HM/DAU	REC/DAU HERDMATE	MILK	%	FAT	% FAT INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1501143 NELACRES SOVEREIGN JUDGE.....*		3	5	1-13	14	1.5	14,782	3.75	555	18	34	-304	+.07	-1	-10
05-30-65 1296430 4174620 5-73					27		15,824	3.57	565						
1501151 RWJS RESOLUTE PAUL.....		2	18	1-93	20	1.5	21,224	3.42	726	15	25	+313	+.01	+13	+20
04-30-56 1136564 4913001 1-73					11		20,571	3.36	692						
1501160 NORROM RAG APPLE CHARMER.....*		4	10	2-33,35	22	1.1	12,675	3.53	447	45	34	-586	.00	-21	-35
02-23-65 1357743 4786864 5-73					12		14,414	3.55	512						
1501182 CARNATION HOMESTEAD INGA.....*		1	19	1-74	19	1.2	14,227	3.76	535	0	22	+30	+.03	+5	+5
07-08-66 1445718 5693208 5-73					24		14,054	3.63	510						
1501199 CHAHILL DE KOL KINGPIN.....*		1	15	1-21	15	1.3	17,618	3.54	624	8	21	+452	-.03	+12	+24
04-14-56 1347940 3967473 5-73					34		15,630	3.67	574						
1501202 FAIR HILL G B DUKE.....*		2	18	1-51	26	1.5	14,006	3.54	496	4	30	+167	-.04	0	+5
01-01-66 1282185 6155622 5-73					24		13,348	3.72	496						
1501203 FAIR HILL G B DOSCH.....*		2	8	1-52	16	1.8	16,892	3.53	596	6	33	+251	-.05	+1	+8
04-29-66 1282185 4089453 5-73					38		16,318	3.68	601						
1501206 WILLIAMS FARM STAR PILOT-TWIN.*		1	10	1-22	10	1.6	16,733	3.79	635	10	21	+284	+.03	+14	+20
05-09-66 1251857 5338519 1-73					47		15,455	3.71	573						
1501208 MOSTLY ADMIRAL PRIDE.....		2	18	2-23,42	20	1.3	13,497	3.94	532	10	24	-214	+.05	0	-6
08-20-65 1237057 3991303 5-73					7		14,412	3.73	538						
1501235 COMMANDO SKOKIE.....		1	10	1-41	10	1.0	13,033	3.64	474	30	18	-698	.00	-25	-42
03-12-66 1288605 4414762 1-73					33		17,267	3.67	634						
1501284 VERPANA FARM VALIANT CHIEF....		2	13	1-35	15	1.7	13,641	3.36	458	0	25	-339	-.01	-14	-22
06-01-66 1448910 4438227 5-73					15		15,085	3.45	520						
1501285 BOYS TOWN IDEAL MARK.....		1	19	1-42	19	1.7	15,514	3.62	561	19	24	-68	+.03	+2	0
08-25-64 1342677 4768975 5-73					17		15,961	3.48	556						
1501289 EIPPERHURST ADMIRAL BOBELLE...*		5	8	1-47	27	2.3	14,880	3.68	547	8	48	+282	-.03	+6	+13
10-23-64 1418083 5612971 5-73					17		14,274	3.76	536						
1501295 BROWNVALLEY PIONEER VAN.....*		2	12	2-23,51	19	1.5	11,161	3.98	444	16	30	-684	+.03	-20	-37
04-29-66 1292880 5503792 5-73					20		13,363	3.86	516						
1501310 HEERSCHE SKYHAWK.....		2	25	1-47	27	1.2	14,934	3.62	540	19	24	+466	.00	+17	+28
06-13-66 1289574 5589859 5-73					47		12,838	3.62	465						
1501312 REXLAWN RAVEN REFLECTION.....*		1	12	1-33	12	1.4	13,898	3.36	467	17	20	+17	-.07	-10	-8
09-01-65 1431721 5294846 9-72					8		13,752	3.79	521						
1501320 MER-E-MAR SENATOR LEON.....*		3	7	2-33,74	14	1.1	13,120	3.57	468	0	29	-278	-.01	-12	-18
05-06-66 1252985 5590495 5-73					112		14,065	3.64	512						
1501321 KAB-N-HILL SANAR LARRY.....*		1	10	1-23	10	1.0	12,926	3.93	508	0	18	-240	+.06	0	-7
08-24-66 1178303 6593981 9-72					12		14,278	3.56	509						
1501322 KAB-N-HILL HERO KORAS.....*		4	9	2-23,50	16	1.3	15,149	3.69	559	14	28	+348	+.02	+15	+23
03-29-66 1445083 4840226 1-73					22		13,871	3.65	506						
1501324 RAFTER-M TOP COPY.....		3	44	1-93	48	1.6	18,426	3.41	628	9	28	+23	-.01	-1	0
02-23-65 1357743 5386765 5-73					65		18,783	3.46	649						
1501327 MARQUIS COOKIE TOM.....		1	20	1-41	20	1.1	12,882	4.25	548	26	21	-425	+.09	-3	-15
02-28-66 1459996 5540034 5-73					63		14,959	3.82	571						
1501347 SUNNYSIDE-M DUKE.....		1	12	1-41	12	1.1	13,216	3.72	492	17	19	-119	.00	-4	-7
10-13-65 1454726 6171628 9-72					12		13,785	3.78	521						
1501361 PETERS FARM MARQUIS MARKSMAN..*		6	4	2-23,63	18	1.2	14,172	3.63	515	11	40	-281	+.02	-8	-15
05-01-66 1459996 4581126 5-73					19		14,929	3.61	539						
1501379 CLIFFHILL INSIGNIA BOB.....*		1	10	1-21	10	1.0	10,107	3.51	355	**	18	-210	+.03	-4	-10
01-01-66 1179372 5204851 5-73					26		10,955	3.38	370						
1501386 BON-DA LADY PRINCE.....*		1	17	1-41	17	1.4	13,668	3.84	525	18	22	+84	+.01	+4	+6
07-30-65 1315612 6087239 5-73					13		13,171	3.86	508						
1501443 BIG ROCK CHIEF MAC.....*		1	15	1-21	15	1.2	13,947	3.87	540	0	21	-355	+.06	-4	-14
09-09-65 1397517 5587256 5-73					30		15,828	3.61	572						
1501448 SRD THREE HOMER.....		2	17	1-74	19	1.3	14,304	3.27	468	0	24	-4	.00	0	0
10-10-65 1271557 4644616 1-73					102		14,319	3.24	464						
1501449 VEE KNOLL KEYSTONE ORLO.....		1	11	1-21	11	1.6	15,717	3.25	511	**	21	+99	-.04	-2	+1
09-06-65 1291028 4381624 5-73					48		15,335	3.44	528						
1501457 MAROEBAR TRIUNE MIKE.....*		3	22	1-48	35	1.7	14,241	3.88	552	10	35	-177	+.07	+3	-3
09-03-65 1297169 4927271 5-73					20		14,799	3.69	546						
1501459 LITTLEJOHN BURKGOV OAGAN BILL.*		1	14	1-21	14	1.6	16,071	3.71	597	11	22	+268	.00	+9	+16
12-02-64 1223243 4163665 5-73					40		14,914	3.75	560						
1501528 VIRGIELEE ADMIR ESLIE.....*		2	11	1-35	13	1.5	14,408	3.79	546	0	23	+70	-.01	+1	+3
04-04-66 1415206 5479192 5-73					12		14,071	3.86	543						
1501533 KEN VER NEIL COUNT PROUD.....*		3	7	2-48,73	15	1.3	15,677	3.73	584	8	31	-258	+.04	-4	-11
10-30-65 1350414 4942990 5-73					40		16,751	3.64	610						
1501542 R-D-O ROBJRKE MODEL.....*		3	6	1-63	19	2.1	12,318	3.62	446	0	41	-152	+.03	-1	-5
12-28-64 1294703 5366095 5-73					13		12,505	3.54	443						
1501546 RIDGELO MR M ROAMER.....*		2	14	2-35,61	16	1.4	15,295	3.32	508	27	23	-261	-.06	-18	-23
09-13-64 1410742 4658123 5-73					19		16,645	3.59	598						
1501566 LARON ADVANCER JOLAO PAUL.....		1	23	1-43	23	1.7	13,810	3.64	502	25	24	-287	+.01	-9	-16
09-07-65 1216668 3192381 5-73					34		15,064	3.62	546						
1501571 ST CROIXCO REV IVANHOE.....*	35-21	7	2	3-41,42,	13	1.1	13,857	3.72	515	23	36	-365	.00	-13	-22
10-28-65 1189870 4443081 1-73				47	20		14,924	3.73	557						
1501584 ARTEVEL TIDY LAVACRES.....		3	13	1-93	26	1.4	18,973	3.65	692	11	35	+80	+.02	+6	+7
04-26-66 1291498 4140246 5-73					84		19,232	3.60	693						
1501606 SEDJDIA FJRID OJSTY-TWIN.....	31-02	34	4	9-31,43,	69	1.1	14,324	3.64	521	9	71	-117	+.03	0	-4
03-09-66 1381027 4748412 5-73				56,58,64	30		14,501	3.60	522						
1501615 WERN FARMS PIETJE 8 LAD IDEAL.		1	12	1-35	12	1.3	13,172	3.43	452	8	20	+118	-.02	+2	+5
09-23-65 1442379 5865113 5-73					22		12,373	3.51	434						
1501617 BROWNSTOW ROBARON.....*		13	7	2-41,46	32	2.0	14,149	3.66	518	13	52	-789	+.03	-25	-44
01-14-65 010263332 6138866 5-73					16		15,826	3.63	574						
1501630 KEYSTONE PRINCE BEN.....*		4	18	1-22	37	1.5	15,597	3.79	591	3	38	+287	+.02	+14	+20
03-26-66 1315612 4360240 5-73					80		14,900	3.74	558						
1501675 OLSTAR RAG APPLE MAX.....*		2	10	1-41	15	1.3	17,350	3.63	629	17	26	+333	+.05	+19	+26
12-06-65 1329588 5325785 9-72					10		16,237	3.44	559						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HD	STATES NO- WITH MOST DAUS	DAUS	REC/DAU HM/DAU	HEROMATE	MILK	% MILK	% FAT	FAT	1ST REPT INC	%	PREDICTED DIFFERENCES MILK	%	FAT	$$
1501697 CLACAR DANDY REFLECT MARQUIS..		1	21	1-55	21	1.4		14,602	3.50	511	15	23	-124	-.04	-10	-12
09-20-65 1459996 5232049 5-73					25			15,236	3.70	563						
1501706 OUNWORKEN GOLDEN LAD.....		1	15	1-35	15	1.5		15,227	3.74	570	0	22	+13	+.05	+7	+6
C6-11-66 1366229 5816303 5-73					8			15,252	3.55	541						
1501708 BLACKMOUNT ERIC SYMBOL.....		2	15	1-12	17	1.3		14,984	3.74	560	18	23	-111	+.01	-3	-6
03-25-66 1273756 5054912 5-73					37			15,585	3.74	583						
1501724 HARMONY CREST CONNIE LUCIFER..		1	14	1-51	14	1.4		13,484	3.72	501	0	22	-29	-.01	-3	-3
01-01-66 1431678 4385414 9-72					7			13,537	3.84	520						
1501739 MAPA JOHANN LEADER DUKE.....*		2	7	1-61	13	2.0		14,659	3.53	518	0	32	-173	+.02	-4	-9
03-26-65 1249424 4795235 5-73					26			15,294	3.50	536						
1501767 WAYGROVE TRIANGLE SAMSON.....		1	34	1-82	34	2.4		16,430	3.67	603	6	29	+320	-.02	+9	+17
01-23-65 1199324 6127607 5-73					90			15,414	3.74	576						
1501803 SHANGHIGH IVANHOE LEADER.....*		2	12	1-32	18	1.2		15,774	3.52	555	6	27	+281	-.03	+5	+13
02-20-66 1418927 4726662 5-73					13			14,768	3.66	540						
1501809 HEMONOS CHIEF REGENT.....*		2	20	1-11	22	2.0		16,668	3.76	626	9	27	+351	+.02	+16	+24
01-01-66 1397517 5557206 5-73					46			15,483	3.70	573						
1501812 MILU IVANHOE 88 LAD.....*	23-13	75	2	5-21,22,	97	1.5		15,447	3.54	547	16	83	+522	-.13	-1	+15
05-16-66 1122127 5287566 5-73				23,55,57	27			14,865	3.72	553						
1501814 CASH-MAR MODEL MASTER.....*		6	4	1-32	11	1.2		15,394	3.44	530	9	29	-84	-.01	-5	-7
C7-14-66 1458253 5683082 5-73					17			15,825	3.49	553						
1501617 CASH-MAR CHARMING DANCER.....*		3	13	1-32	20	1.5		12,475	3.70	461	6	29	-415	+.01	-13	-23
C7-25-66 1475576 5712745 5-73					27			13,840	3.67	508						
1501825 WILSON-FARMS GIANT MAKER.....*		5	3	1-11	11	1.3		13,582	3.60	489	30	32	-524	+.01	-17	-30
C2-01-66 1459996 3768479 5-73					17			15,308	3.58	548						
1501831 KENWOOD CONQUEROR SIXTY-SIX...*		1	13	1-52	13	1.2		13,464	4.03	543	**	20	-321	+.06	-3	-12
03-18-66 1448125 4037038 1-73					34			15,168	3.76	570						
1501851 BLOOMSIDE SKYLINER THOR.....*		1	14	1-34	14	1.4		14,501	3.61	524	23	21	-82	+.01	-2	-4
12-26-65 1435955 5553697 5-73					45			14,951	3.62	541						
1501879 SARIVAL VICTOR MAGIC.....		3	34	1-93	51	1.5		17,533	3.59	629	15	34	-71	+.05	+4	+1
05-12-66 1274685 5274543 5-73					109			18,119	3.47	628						
1501887 FISH-ACRES CRISSCROSS IVAN....		2	14	1-23	18	1.0		14,201	3.99	567	20	23	-98	+.06	+5	+1
C8-27-65 1378594 5227430 5-73					4			14,653	3.73	546						
1501891 SHAWHAVEN FURY DUKE.....*		2	17	1-34	24	1.2		15,954	3.68	587	15	27	-102	+.01	-2	-5
C2-10-66 1381027 5119211 5-73					14			16,552	3.67	608						
1501960 TIFFIN FLORINE SIR COUNTESS...*		2	18	1-31	20	1.8		15,909	3.43	546	10	26	-201	-.03	-11	-15
C1-22-66 1413443 4973843 5-73					66			16,937	3.53	598						
1501963 SABINA CHERRY BLUE.....*		2	36	1-11	40	1.4		12,173	3.63	442	5	27	-277	-.01	-11	-17
03-01-66 1376900 4676937 1-73					48			13,077	3.70	484						
1501968 RAYLORE REFLECTION STATESMAN..*		4	5	2-41,42	10	1.8		13,900	3.69	513	10	28	-594	+.05	-14	-29
C1-06-66 1459996 5758915 5-73					16			16,222	3.53	572						
1501969 RAYLORE REFLECTION PLUTO.....*		1	18	1-41	18	1.2		15,433	3.78	584	28	22	+66	-.01	+1	+3
C1-21-66 1459996 4813954 5-73					11			15,211	3.84	584						
1501973 BERLISTA RAVEN BUBBLES.....		1	11	1-42	11	1.3		13,004	3.58	466	10	20	-409	+.03	-10	-21
10-07-65 1339836 5044878 1-73					1			15,186	3.44	523						
1501983 HEBERVALLEY MARVEL VAL.....		2	13	1-87	17	1.4		13,909	3.65	508	25	25	-216	+.03	-4	-10
C8-28-66 1459996 5995785 5-73					26			14,805	3.56	527						
1502012 JONAVAN SEVENS FOBES.....*		1	13	1-34	13	1.1		11,534	3.71	428	42	19	-178	+.05	0	-5
06-01-66 1239242 4826606 5-73					14			12,240	3.48	426						
1502023 PACLAMAR TRIUNE COSMO.....*	31-07	2	16	1-93	20	1.1		18,633	3.60	671	0	24	+450	-.02	+13	+24
C7-03-66 1450228 3931488 5-73					72			16,995	3.68	625						
1502025 PACLAMAR TRIUNE JETHRO.....*	35-75	7	27	2-47,84	38	1.3		19,126	3.52	674	3	30	+596	.00	+21	+35
07-07-66 1450228 5162061 5-73					27			17,446	3.51	612						
1502035 TORKS PACLAMAR SUPREME.....*		5	21	3-41,42,	28	1.2		15,496	3.57	553	8	28	+62	-.02	0	+2
C7-23-66 1347065 6190059 5-73				46	16			15,367	3.64	559						
1502039 PACLAMAR B E LEE.....*		3	13	1-87	21	1.4		18,825	3.51	661	10	30	+451	-.06	+7	+19
C9-01-66 1417390 4499885 5-73					31			17,658	3.69	652						
1502042 EXRANCO BETSY BEAU.....	93-03	3	21	1-93	28	1.5		16,270	3.41	554	21	29	-229	+.02	-6	-12
C5-15-66 1397088 5590665 5-73					72			17,355	3.37	584						
1502076 WILLA-ROE IVANHOE JERRY.....		3	11	1-23	20	1.9		14,540	3.45	501	0	34	+196	-.06	-1	+5
03-02-65 1441440 6262208 5-73					11			13,913	3.63	505						
1502089 DELVE PRINCE MIKE IDEAL.....		2	10	2-16,48	12	1.5		14,754	3.42	505	8	23	+15	-.03	-4	-3
C3-03-66 1448396 3353437 5-73					30			14,723	3.58	527						
1502108 FOX CHASE TRIUNE KINGPIN-TWIN.*		1	17	1-23	17	1.2		15,971	3.86	617	13	21	+343	+.04	+18	+25
04-21-66 1347940 4377682 5-73					45			14,341	3.72	533						
1502111 OURANT ARISTOCRAT ROCKET.....		3	8	1-21	11	2.0		13,791	3.62	499	9	26	-548	-.05	-26	-38
C2-26-65 1453016 5093157 5-73					18			16,035	3.80	609						
1502116 HAVEN LANE MARQUIS TIGER.....*		1	10	1-51	10	1.9		13,010	3.86	502	0	22	-262	+.03	-5	-12
C6-06-66 1459996 5835653 5-73					31			14,208	3.75	533						
1502173 SPRUCEVALE MAGICIAN.....*		3	13	1-35	21	1.6		15,527	3.78	587	5	31	-38	.00	-1	-2
03-26-66 1459461 5105055 5-73					11			15,792	3.81	602						
1502178 ATHLONE GOLIATH.....*		1	12	1-34	12	1.2		16,031	3.81	611	17	19	-4	.00	0	0
C8-17-66 1406271 5550318 5-73					17			16,243	3.82	620						
1502189 SHADY GLEN ROCKET DREAM BOY...*		1	12	1-16	12	1.3		13,666	3.61	494	**	20	-136	+.01	-4	-7
C9-30-64 1436585 5724782 1-73					44			14,353	3.62	520						
1502193 WHITTIER-FARMS STYLEMARK.....*		1	12	1-14	12	2.2		13,226	3.61	477	0	24	-304	+.01	-9	-17
10-29-65 1459996 5421449 5-73					22			14,537	3.58	520						
1502211 BUDDALE TIDY SKY CHIEF.....		1	10	1-41	10	1.1		15,086	3.39	511	11	18	-318	-.03	-15	-22
C1-03-65 1289574 4997351 9-72					28			17,110	3.55	608						
1502230 REYNOLAND CHEM PETE.....	21-10	49	1	6-11,12,	50	1.4		15,007	3.60	540	16	74	-212	+.01	-5	-11
C5-19-66 1349547 4034865 5-73				13,14,21	26			15,396	3.59	553						
1502233 M-V-B-A ERIC EMMA LOUIE.....	41-01	9	3	1-41	16	1.8		16,428	3.52	579	0	43	+723	-.05	+19	+37
11-09-65 1273756 4892288 5-73					38			14,794	3.62	536						
1502250 OAYLAND COLONEL MARSHALL.....*		1	29	1-87	29	1.4		16,579	3.46	574	11	24	+260	.00	+10	+16
C1-12-66 1425137 5042992 1-73					25			15,623	3.42	534						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	DAUS REC/DAU HM/DAU	HERDMATE	MILK	%	FAT	% IST INC	% REPT	PREDICTED DIFFERENCES MILK	%	FAT	$$
1502286 OUTAGAMIE TIDY ANDY.....*		2	13	1-35	22	1.3	16,753	3.66	613	12	30	+298	+.01	+12	+19
06-08-66 1350676 4874538 5-73					17		15,912	3.63	578						
1502297 CRJMOALE CRETE REWARD.....*		1	17	1-51	17	2.1	10,656	3.92	418	7	25	-638	+.03	-19	-35
C4-06-65 1259391 5347963 5-73					15		13,091	3.78	495						
1502300 SWEET BRIAR ROXANNA GOVERNOR..		1	13	1-52	13	1.4	11,420	3.68	420	23	21	-400	+.02	-12	-22
04-22-66 1316112 4483045 5-73					42		13,219	3.62	478						
1502308 RETLAW REFLECTOR FRANK.....*		2	10	1-41	12	1.3	11,402	3.55	405	9	22	-167	-.04	-12	-15
C7-03-66 1298430 5836330 5-73					21		11,930	3.84	458						
1502309 RETLAW SUPREME IZAAK.....		1	10	1-41	10	1.2	10,183	3.35	341	13	19	-79	-.04	-8	-9
C7-10-66 1479129 4927075 5-73					10		10,195	3.70	377						
1502322 SCHBAR CRISSCROSS FREDDIE.....*		2	16	1-21	20	1.5	13,643	3.71	506	44	26	-447	+.04	-11	-23
12-03-65 1378594 4732517 1-73					28		15,475	3.59	556						
1502329 BJU-LANE BELMONT SATELLITE....		1	19	1-41	19	1.4	11,991	3.76	451	21	23	-142	-.01	-6	-9
06-12-66 1453994 5799363 1-73					11		12,425	3.85	478						
1502330 VISSONS H H CHARMER.....*		4	5	2-41,46	17	2.3	17,133	3.39	581	18	42	+159	-.07	-4	+2
10-05-65 1357743 5756330 5-73					16		17,011	3.54	602						
1502349 BUTTERCUP-Z PONTIAC ECHO.....*		2	27	1-35	29	1.4	14,354	4.18	600	28	25	-156	+.04	0	-5
12-10-65 1431771 5697835 5-73					20		15,043	4.07	612						
1502351 MAKEMOR VISTA SCHOOLMASTER....*		1	26	1-51	26	1.2	9,684	3.60	349	0	23	-372	-.01	-15	-24
12-18-65 1258294 4338577 5-73					16		10,964	3.70	406						
1502400 KAN-DOA REFLECTOR STORMY.....*		1	10	1-82	10	1.2	16,315	3.41	556	20	19	-75	.00	-3	-5
06-13-66 1357743 5691468 5-73					30		16,985	3.45	586						
1502415 ROMANDALE REFLECTION AZTEC....*		3	33	2-33,47	52	1.6	16,255	4.00	650	10	35	+94	+.09	+17	+17
C9-06-65 1459996 011691681 5-73					12		16,153	3.78	611						
1502424 PAUL-LYN REFLECTOR SKY CHIEF..*		5	16	1-48	23	1.3	15,570	3.26	507	10	28	+240	-.02	+6	+12
C1-23-66 1296430 5871724 5-73					33		14,754	3.26	481						
1502447 TRI-GLADE KORNDYKE TIM.....*		3	10	2-15,21	14	1.2	16,088	3.44	554	0	24	+570	-.02	+17	+31
C6-24-65 1423201 5023072 1-73					18		13,625	3.51	478						
1502451 GRAY VIEW X CONTINUE.....*		17	3	5-23,33,	31	1.5	16,483	3.69	608	8	58	-398	+.06	-6	-17
C1-22-66 1378594 3474318 5-73				35,91,93	58		17,479	3.62	632						
1502497 SWAN VILLA SKY ELLIOT.....		1	17	1-41	17	1.7	12,116	3.45	418	29	23	-100	.00	-3	-5
C9-16-65 1402764 4558685 5-73					24		12,344	3.45	426						
1502555 REDFIELD R SUPREME.....		1	14	1-46	14	1.1	11,045	3.34	369	**	20	-194	-.04	-13	-17
C3-17-65 1391280 4873295 1-73					7		11,771	3.64	429						
1502569 OOK INKA SKYHAWK.....	41-01	16	2	1-41	20	1.1	15,084	3.52	531	0	49	+349	-.03	+8	+17
C5-23-66 1289574 3740875 5-73					18		14,370	3.58	514						
1502570 ODK BURKGOV PIEBE.....	31-07	24	2	6-41,42,	31	1.2	13,480	3.59	484	15	60	-721	+.03	-22	-40
12-05-65 1223243 5360963 5-73				81,82,87	18		14,713	3.55	523						
1502579 FLEETRIDGE DEBONAIR.....*	21-10	53	1	5-11,12,	58	1.6	15,437	3.63	561	13	77	-396	+.06	-6	-17
C2-15-66 1277619 3982893 5-73				14,16,21	26		16,123	3.57	575						
1502581 ADDHR BANNER BONANZA.....		2	21	1-93	23	1.0	16,409	3.75	615	9	23	-285	+.05	-3	-11
C1-03-66 1317224 6000835 1-73					115		18,046	3.57	644						
1502594 TRANQUILLITY R A BASIL.....*		2	12	1-22	17	1.4	14,552	3.72	542	8	27	-586	+.01	-20	-34
C9-12-66 1481158 5336548 5-73					48		17,005	3.71	631						
1502619 LOVOAL TOP PIN.....	23-13	112	2	6-13,22,	149	1.5	14,585	3.76	549	19	89	-55	+.03	+3	+1
C2-25-65 1347940 3916372 5-73				23,51,54	24		14,677	3.73	548						
1502622 EASTHAVEN DOUBLE MUTUAL.....		2	11	2-32,34	13	2.3	16,635	3.69	614	17	26	+454	.00	+17	+28
12-10-64 1357090 4880389 5-73					11		14,935	3.70	552						
1502623 ESTHER SUE LYNN IVANHOE.....*	31-07	64	2	2-32,34	94	1.2	14,932	3.72	555	16	81	-157	+.07	+4	-1
C3-13-66 1189870 4407458 5-73					22		15,208	3.64	554						
1502648 PAINT CREEK REFLECTION WAYNE..*		1	20	1-42	20	1.8	8,557	3.51	300	0	24	-307	.00	-11	-18
10-10-64 1276654 4847591 5-73					9		9,319	3.53	329						
1502667 RIVERLEA CRISSCROSS CANOY JOE.*		6	8	1-21	18	1.6	14,756	3.66	540	19	34	-293	.00	-10	-17
C6-08-65 1378594 4965717 5-73					36		15,777	3.68	580						
1502697 FORELL CYCLONE ORMSBY.....		1	12	1-35	12	1.0	15,753	3.69	582	11	19	-21	+.01	+1	0
C4-04-66 1315253 3626265 1-73					21		16,037	3.64	584						
1502731 SHERRELS LARKSPUR HENRY.....*		1	11	1-43	11	2.1	11,954	3.55	424	0	22	-3	-.01	-1	-1
C3-14-65 1240355 5742000 5-73					5		11,703	3.60	421						
1502760 CAVE HILL BURKE BARON.....		2	8	1-52	10	1.6	12,965	3.64	472	0	23	-232	+.03	-4	-10
11-30-65 1308796 5229603 5-73					14		13,955	3.52	491						
1502772 CARVER GLAMOUR BOY REX.....*		1	12	1-33	12	1.7	13,118	4.07	534	0	22	-294	+.08	0	-9
10-10-64 1252185 5058194 5-73					10		14,480	3.70	536						
1502783 WISOF CLARION PERFECTION.....*		3	16	1-35	20	1.2	14,563	3.76	548	15	24	+221	+.01	+9	+14
C7-07-66 1402308 4151520 5-73					36		13,574	3.75	509						
1502793 POMPEY HOLLOW OMAR KHAYEM.....*		1	40	1-16	40	1.4	16,419	3.62	594	10	25	+427	-.02	+13	+24
C7-26-66 1288194 5627862 5-73					35		14,723	3.69	543						
1502803 OLMANSON CAPTAIN CARNATION....*		2	9	1-41	11	1.5	13,939	3.46	482	29	22	-6	-.02	-3	-3
05-28-65 1441983 4797554 5-73					12		13,923	3.59	500						
1502813 MARCOVE CHARMER DORSET.....		1	13	1-23	13	1.4	14,085	3.56	502	14	21	-247	-.04	-15	-20
11-23-65 1357743 3816955 5-73					23		15,382	3.82	587						
1502849 RANCKOELL ROYAL PATRICK.....		1	20	1-23	20	1.9	14,585	3.59	523	18	25	-168	-.01	-8	-12
11-14-64 1291498 5642469 5-73					8		15,365	3.66	562						
1502868 SHARONVALLEY SKYHI.....*		3	17	1-31	21	1.5	14,550	3.68	535	19	26	-326	.00	-12	-20
10-19-65 1441148 5542358 5-73					16		15,949	3.72	593						
1502891 MAC-SWAN RANGER-TWIN.....*		5	5	3-12,21,	12	1.3	13,888	3.63	504	38	30	-428	+.05	-8	-20
C9-10-64 1259069 5419910 9-72				31	19		15,405	3.48	536						
1502924 MALTESE MARQUIS BARBARA.....*		4	6	1-93	20	1.4	16,795	3.34	561	6	39	-105	-.06	-12	-13
12-25-65 1459996 5240758 5-73					107		17,368	3.47	602						
1502930 MIDLANE LEADER ROCKET.....*		1	22	1-35	22	1.7	14,515	4.15	603	19	25	+11	+.07	+10	+9
C5-02-66 1277213 4181622 5-73					32		14,478	3.91	566						
1502937 LAMAGA VICTOR RJOELL TRENT....*		1	12	1-21	12	2.0	18,045	3.60	650	25	23	+159	-.01	+5	+9
C9-17-65 1298717 5752279 5-73					23		17,675	3.63	641						
1502938 ODN AUGUR GLORIOUS CHIME-TWIN.*	23-13	147	2	7-13,22,	209	1.3	13,759	3.67	505	18	91	-1,253	-.04	-50	-79
10-16-66 1415806 6126984 5-73				23,82,91	22		15,218	3.72	566						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HO	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS HM/DAU	REC/DAU HEROMATE	MILK	%	FAT	% 1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1502940 KOPJE CHARMER TROMP.....*		6	3	1-13	12	1.3	14,917	3.65	544	30	35	+98	+.05	+11	+12
04-11-66 1357743 4457960 5-73					30		14,663	3.48	511						
1502973 LUCKY FOND HOPE.....		1	21	1-34	21	1.7	16,102	3.65	587	36	24	-23	-.02	-4	-4
09-30-64 1243697 4308010 5-73					33		16,431	3.77	618						
1502982 STILOGGIN KINGPIN PERKY PENT..*		3	10	1-23	20	1.8	14,590	3.82	558	5	36	-160	+.05	+2	-3
03-17-66 1347940 5245370 5-73					33		15,113	3.67	555						
1503040 NSH MERN JO BURKE PILOT.....		1	33	1-47	33	1.4	14,284	3.56	509	11	24	-486	+.03	-14	-26
03-02-66 1304049 5183141 5-73					2		16,491	3.48	574						
1503064 MALLARY DAVID.....*		3	5	2-13,21	11	1.5	16,077	3.46	556	0	28	-113	-.01	-5	-8
12-12-65 1425137 5924225 5-73					20		16,719	3.49	584						
1503065 MALLARY PRIZE.....*		13	2	7-11,12,	22	1.3	15,157	3.68	558	22	50	-230	+.04	-3	-9
06-26-66 1378594 3737937 5-73				13,14,16	30		15,754	3.62	571						
1503074 BRISTOL ECHO PROGRESSOR.....*		9	13	5-14,23,	47	1.3	13,918	3.85	536	7	48	-338	+.14	+7	-5
04-09-66 1404688 3430138 5-73				51,52,54	73		14,648	3.56	522						
1503076 BRISTOL SKYWAY ORMSBY STAR....		4	32	1-93	47	1.2	17,009	3.70	630	10	31	-33	+.03	+3	+1
05-19-66 1396885 3941983 5-73					41		17,421	3.63	632						
1503079 DEE ANN ECHO BERT.....*		2	32	1-86	34	1.9	17,058	3.48	594	3	28	+64	+.03	+6	+7
01-14-65 1230610 4852492 5-73					28		17,097	3.39	580						
1503093 BE-JO JONALUE MARQUIS ZEPHYR..*		1	17	1-33	17	1.3	11,023	3.66	403	18	21	-210	.00	-7	-12
03-10-66 1459996 5575334 5-73					23		11,743	3.67	431						
1503125 WILLOMONTE EL OEEMAND.....*	33-03	3	9	1-93	22	1.2	22,899	3.46	793	5	35	+700	-.10	+10	+29
09-02-66 1466747 6132285 5-73					52		21,602	3.66	791						
1503132 A-HOPEN ADMIRAL BARON.....		1	18	1-32	18	1.6	13,967	4.05	566	28	23	-133	+.03	0	-4
12-03-65 1449451 5562304 1-73					16		14,566	3.95	576						
1503139 NAPSTAHOS IDEAL WIS ORMSBY....		2	18	1-93	20	1.0	15,824	3.43	542	0	22	-451	.00	-16	-27
10-01-66 1455394 6004962 5-73					22		18,256	3.46	632						
1503150 WACOTS REFLECTION PRINCE.....		1	16	1-34	16	1.1	13,094	3.57	468	8	20	-226	-.01	-10	-15
05-20-66 1320015 5414869 5-73					17		14,194	3.70	525						
1503154 EM BEE T G HEADMASTER.....*		4	8	2-31,35	17	1.3	15,354	3.71	569	6	31	+1	+.01	+1	+1
04-23-66 1349029 4987417 5-73					18		15,457	3.69	571						
1503159 NIEDERJOHNS SKYCROSS DOER....		1	10	1-73	10	1.0	19,424	3.35	651	20	18	+633	-.01	+22	+37
08-16-66 1441148 5709794 5-73					6		16,007	3.31	530						
1503170 LEVEL VALLEY SENATOR.....*		7	3	4-23,51,	13	1.2	12,690	3.79	481	17	34	-673	+.03	-20	-37
07-09-66 1252985 5245177 5-73				52,63	36		14,703	3.70	544						
1503178 WINDOWIS LAKEFIELD ORMSBY.....*		3	19	1-42	26	1.4	15,279	3.62	553	19	29	-215	+.10	+6	-2
04-02-66 1243697 5061367 1-73					15		16,212	3.29	533						
1503184 OAK HOLLOW CORPORAL LUCKY.....*		1	10	1-35	10	1.4	15,061	3.67	552	0	20	-288	+.02	-8	-15
08-27-66 1343798 4487611 5-73					10		16,775	3.61	605						
1503217 DANCEY ARAB JOKER.....		1	12	1-64	12	1.0	12,330	3.24	402	**	19	-197	-.02	-10	-14
08-22-65 010257260 011062943 5-73					47		13,351	3.41	455						
1503228 MAYERS PS PRINCE JOE.....*		2	9	2-34,35	11	1.2	14,747	3.85	568	27	21	-307	+.04	-6	-14
05-03-65 1452468 5989852 5-73					18		16,414	3.72	610						
1503230 HEEL-KICKIN-VIEW PATRIC.....*		3	7	1-21	10	1.6	16,519	3.34	552	25	25	-2	-.06	-8	-7
02-01-66 1252936 5531576 5-73					16		16,768	3.57	598						
1503257 PAULINE ROYAL BOLO.....*		2	16	1-34	18	1.3	15,263	4.08	623	43	23	-47	+.07	+9	+6
04-13-65 1354925 4933045 5-73					14		15,589	3.78	590						
1503259 E M C ROCKY WAVE.....		2	11	1-93	16	1.0	15,195	3.41	518	0	24	-178	-.06	-15	-18
05-29-66 1386287 4641366 1-73					36		16,103	3.68	593						
1503265 OEL-VAC SULTAN NACHES.....	93-19	3	27	1-93	56	1.2	16,624	3.86	641	39	38	-888	+.10	-18	-42
05-26-66 1295523 5005751 5-73					115		19,477	3.65	710						
1503274 WAWE BARRY JIM.....*		2	12	1-33	23	1.4	16,849	3.76	634	14	33	+269	-.03	+5	+12
07-18-66 1182696 5615234 5-73					51		16,227	3.88	629						
1503292 OANN FARM SOVEREIGN CALHOUN...*		2	6	1-21	11	1.6	11,934	3.61	431	29	28	-869	+.05	-24	-46
10-18-65 1421669 5410074 5-73					18		15,113	3.43	519						
1503315 SCOTPINE ROYAL MASTER PRINCE..*		2	11	1-23	13	1.5	12,746	3.58	456	23	23	-398	.00	-15	-24
09-09-66 1305460 4788478 5-73					6		14,482	3.62	524						
1503353 ROCKY MOUNT BRIGEEN CHIEF.....		1	13	1-51	13	1.0	10,467	4.04	423	31	19	-700	+.05	-19	-37
10-02-66 1397517 5060890 1-73					12		14,130	3.74	529						
1503392 EOGEMAR PARCAE PRIDE.....		2	23	1-93	44	1.4	17,111	3.47	594	13	37	+236	-.05	+1	+8
12-24-65 1435117 6016360 5-73					16		16,703	3.59	599						
1503406 BOSTON ORMSBY SUPREME.....*		1	15	1-41	15	1.1	15,832	3.30	522	20	20	+382	-.04	+8	+18
04-21-66 1347065 5689576 9-72					18		13,871	3.45	479						
1503426 GREEN-VALE A COMMANDER.....*		2	11	1-34	14	1.0	16,104	3.68	592	8	23	-227	+.04	-3	-9
08-15-66 1456275 6211832 5-73					48		17,414	3.57	622						
1503433 ATLASTA GALAXY.....*	21-10	70	2	7-11,12,	86	1.4	16,321	3.61	590	16	82	+398	+.02	+18	+27
07-01-66 1282185 4619660 5-73				16,21,22	26		15,994	3.58	573						
1503441 GREEN-MEADOW REWARD LADDIE....		1	10	1-34	10	1.2	10,928	3.53	386	11	19	-420	-.01	-16	-26
02-18-66 1303180 4640226 5-73					9		13,061	3.64	475						
1503510 DAWNSRAY SKYCROSS VICTOR.....		1	11	1-35	11	1.2	12,973	3.63	471	64	19	-374	.00	-14	-23
10-17-65 1441148 4542393 5-73					21		14,997	3.70	555						
1503521 STERK OUKE ROYAL.....		2	17	1-93	21	1.1	19,852	3.59	712	11	24	+25	+.01	+2	+2
06-04-66 1357750 5863030 5-73					65		20,343	3.55	723						
1503524 MALLARY FREEMAN.....	33-03	38	2	12-13,21,	50	1.1	14,461	3.53	511	19	70	-692	-.01	-27	-43
05-03-66 1425137 3934892 5-73				23,35,41	16		15,568	3.56	554						
1503525 MALLARY GREAT.....*		4	22	1-13	31	1.4	14,882	3.68	547	10	30	-87	+.02	0	-3
06-16-66 1425137 5054815 5-73					35		15,256	3.63	554						
1503535 JAKADALIN WOODBOURNE CORONADO.*		2	9	1-31	17	1.9	14,860	3.71	551	6	33	-230	.00	-8	-14
03-08-66 1445747 5429883 5-73					30		15,679	3.72	584						
1503560 WALHOWOON P V CORPORAL.....*		3	15	2-12,14	23	2.0	15,403	3.82	588	10	32	+86	+.03	+7	+8
04-01-66 1447750 5451549 5-73					20		15,221	3.76	573						
1503563 SWAMPY HOLLOW MR GOLD.....		1	20	1-52	20	1.2	11,049	3.85	425	11	22	-211	+.04	-2	-8
08-06-66 1418667 3515875 5-73					41		11,753	3.66	430						
1503566 LIFE-O-RILEY SKYCROSS DESIGN..*	35-05	42	2	4-35,41,	61	1.2	15,295	3.56	545	17	74	-191	-.12	-24	-25
08-24-66 1441148 5594576 5-73				42,82	18		15,683	3.74	586						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS	REC/DAU HM/DAU	HERDMATE	MILK	%	FAT	%	IST LACT INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1503596 L-SPRINGVALLEY INSIGNIA BURKE.*		3	5	2-35,74	10	1.4		14,646	3.37	493	20	26		-38	-.08	-13	-12
12-27-65 1179372 5707286 1-73					33			14,846	3.70	549							
1503599 SHURLAKE BESS KINGPIN LAD.....*		1	10	1-11	10	1.5		15,677	3.84	602	20	20		-135	-.01	-6	-9
06-13-66 1347940 4467071 5-73					21			16,573	3.92	649							
1503642 BELVOIR PRETTY PETE.....		1	15	1-55	15	1.1		13,585	3.73	507	27	20		-140	-.02	-8	-11
10-27-65 1406271 5572747 5-73					5			14,278	3.87	553							
1503693 BIS-MAY VERNSIDE ADMIRAL DANNY		1	13	1-13	13	1.2		17,481	3.30	576	0	20		+405	-.06	+6	+17
09-16-66 1466428 5053932 5-73					52			15,597	3.52	549							
1503697 CITATION JOKI FOND HOPEFUL....		5	9	2-42,43	26	1.2		14,358	3.59	515	19	38		-58	-.01	-4	-5
07-11-66 1243697 6536844 5-73					16			14,524	3.65	530							
1503706 REU-HEL FARMS SUNSHINE KERK...*		1	12	1-23	12	1.4		14,253	3.79	540	8	21		-250	+.02	-6	-12
04-11-66 1406271 5451226 1-73					41			15,601	3.72	580							
1503736 CEDAR CROWN FOND PRILLY LAD...*		1	19	1-61	19	1.8		14,232	3.71	528	17	24		-276	+.04	-4	-12
04-17-65 1243697 3797886 5-73					29			15,484	3.57	553							
1503739 U-T PIONEER RANGER.....*		1	14	1-63	14	1.6		15,172	3.39	514	7	22		-273	+.01	-9	-16
06-09-66 1352953 4313464 5-73					20			16,630	3.39	564							
1503755 NOORREST REFLECTOR I.....*		3	8	2-81,87	11	1.2		17,296	3.52	609	22	23		+462	-.05	+9	+21
09-05-66 1445718 4867820 1-73					38			15,379	3.74	575							
1503764 RUFI HOMESTEAD DIAMOND LAD....*		4	8	3-35,65,	19	1.1		15,467	3.77	583	13	33		+147	+.02	+8	+11
07-02-66 1452168 4208898 5-73				74	50			15,087	3.73	562							
1503805 WALHOWOOD YEOMAN CHEYENNE.....*		4	8	2-12,13	21	1.3		15,703	3.74	587	5	37		-131	+.03	D	-4
05-01-66 1416113 3979440 5-73					35			16,248	3.67	597							
1503819 ECHO-GLEN VIKING IDEAL.....	31-07	33	2	7-31,33,	50	1.3		14,568	3.69	538	9	70		-414	+.09	-3	-15
06-05-66 1315578 4338011 5-73				42,61,74	22			15,244	3.59	547							
1503820 GLENDELL SKOKIE GLAMOUR.....		1	10	1-33	10	1.9		15,399	3.93	605	10	22		+57	+.02	+5	+6
11-29-65 1282185 5614942 5-73					34			15,221	3.87	589							
1503839 PALM SKY SIR ORMSBY TRIUVE....*		4	13	1-34	18	1.3		15,255	3.82	582	21	27		-142	+.04	+1	-3
11-09-64 1456037 5213416 1-73					19			15,944	3.67	585							
1503870 VINEWOOD REFLECTION JUBILEE...		4	7	2-86,93	17	1.2		17,604	3.47	610	12	32		+142	.00	+5	+8
07-13-66 1459996 5807993 5-73					67			17,460	3.46	604							
1503882 VINEWOOD SKY X KALB.....		1	24	1-93	24	1.3		23,291	3.78	881	8	23		+313	+.04	+17	+23
08-03-66 1441148 4978767 5-73					103			22,766	3.69	840							
1503886 VINEWOOD GERONIMO.....		6	26	1-93	38	1.6		17,872	3.65	652	9	32		-183	+.01	-5	-10
07-11-65 1441349 4907792 5-73					112			18,891	3.63	686							
1503888 MIDLAND VINEWOOD MAGIC TITANIC		1	31	1-93	31	1.2		22,787	3.74	853	23	23		+230	+.02	+11	+16
05-01-66 1293263 5419124 5-73					98			22,614	3.69	835							
1503905 DON-AUGUR PROMISINGIVAN REPEAT*	23-13	133	2	3-22,23,	170	1.6		14,483	3.85	557	14	90		-407	+.13	+3	-10
04-24-66 1404788 5916551 5-73				57	22			14,995	3.71	557							
1503908 JU-LEN SALLY OUKE MARK.....		1	15	1-33	15	1.4		18,846	3.86	727	0	22		+715	+.01	+28	+45
04-26-66 1222994 5617005 5-73					4			15,678	3.88	609							
1503920 ARLINDA SIR OANDY.....		1	26	1-93	26	1.4		17,198	3.44	591	8	24		+233	-.03	+4	+10
07-31-66 1446145 3827015 1-73					123			16,414	3.53	580							
1503921 ARLINDA CHIEF DIPLOMAT.....		4	11	1-93	18	1.2		17,927	3.33	597	12	28		+360	-.04	+7	+17
05-02-66 1427381 4515305 5-73					20			16,879	3.42	577							
1503923 ARLINDA CHIEF MAJESTIC.....*		4	8	1-84	14	1.4		17,921	3.52	630	0	29		+837	-.07	+20	+42
06-11-66 1427381 5148782 5-73					21			15,050	3.75	564							
1503928 LECAL IVANHOE JUNO JUDGE.....*		2	9	1-11	11	1.3		16,828	3.62	610	9	21		+288	+.01	+12	+19
05-08-65 1452001 4978472 5-73					15			15,601	3.58	559							
1503946 GOLD TOP BILL SANORA BOY.....*		6	4	2-11,52	11	1.5		17,096	3.59	614	0	31		+393	-.01	+12	+22
08-27-66 1282185 4443483 5-73					34			15,994	3.63	580							
1503949 LITTLE-RIVER-SC PEG GEM.....*		1	22	1-56	22	1.3		15,358	3.67	564	5	23		+266	.00	+9	+15
12-21-65 1217539 4783670 5-73					58			14,156	3.70	524							
1503953 ALLEN IVANHOE MARATHON.....		1	10	1-23	10	1.5		16,800	3.54	595	10	20		+216	-.05	0	+7
11-28-65 1358823 4570579 5-73					19			15,868	3.83	608							
1503959 NEVADA ADMIRAL WALKER SAM.....*		2	8	1-43	10	1.0		15,016	3.58	538	10	20		-159	+.01	-4	-8
01-08-66 1237057 4588951 9-72					20			15,996	3.55	568							
1503963 SUNNYDECK CRITERION HAPPY.....*		5	6	1-91	19	1.3		14,313	3.47	497	11	37		-649	+.01	-22	-38
04-22-65 1439260 5635337 5-73					38			16,247	3.46	562							
1503973 BLANCO GLAMOUR DE KOL.....		2	16	1-93	21	1.3		19,197	3.38	648	21	27		-92	-.05	-11	-12
04-05-66 1282185 4949417 5-73					86			20,122	3.55	714							
1503984 UTAG CHALLENGER BONUS.....	35-75	29	2	9-21,41,	39	1.4		15,887	3.48	553	22	66		-404	-.05	-22	-30
01-12-66 1338796 4342635 5-73				55,91,93	73			16,730	3.56	596							
1503993 STAR MAN GREEN BANKS IVANHOE..		2	9	1-21	11	1.1		12,492	3.84	480	**	21		-309	+.03	-7	-15
03-21-66 1410984 5615576 5-73					10			13,959	3.70	517							
1504039 SCHENCKWOOD BURKE ORO SEELEY..	21-10	68	1	6-11,13,	77	1.5		15,957	3.42	545	16	81		+419	-.14	-6	+8
04-10-65 1348259 5076112 5-73				14,16,21	30			15,558	3.59	558							
1504041 ROBJO A B C FOND YUMA.....*		6	2	1-21	10	1.2		14,855	3.52	523	22	32		-231	.00	-9	-14
10-01-66 1357743 5881495 1-73					18			15,720	3.56	560							
1504049 NI-CRETE MARQUIS JANE.....*		2	18	2-23,51	20	1.6		13,611	3.81	519	25	25		-161	+.02	-3	-7
07-21-65 1459996 5401411 5-73					44			14,234	3.77	536							
1504061 TAYLOR-MAID COLONEL LEO ZIGO..	21-10	45	1	6-11,13,	48	1.2		16,052	3.76	604	13	72		+419	+.15	+37	+43
09-03-66 1262609 5020439 5-73				14,16,21	32			15,587	3.57	556							
1504062 LIMA FLORA BOY HAWTHORNDEN....		3	4	1-31	10	1.1		14,340	3.69	443	10	26		-287	-.06	-19	-24
03-20-66 1435216 4870140 5-73					37			15,570	3.33	519							
1504123 COUNTRY MAGIC INSPIRATION.....	31-07	13	1	3-41,45,	15	1.1		14,778	3.55	525	14	43		+184	-.03	+2	+7
05-19-66 1293263 5836394 5-73				87	19			14,340	3.63	521							
1504131 PRAIRIE-RIDGE MADCAP OON STAR.		1	12	1-42	12	1.0		14,384	3.76	541	50	19		-116	+.01	-3	-6
10-22-66 1452853 5359135 9-72					7			15,083	3.76	567							
1504141 COCALICO SOVEREIGN LANCER.....*		29	1	3-23,50,	33	1.6		14,254	3.73	531	21	65		-320	+.02	-9	-17
10-28-65 1432118 3974684 5-73				51	17			14,785	3.71	549							
1504157 MYSAL OAISY OTCO PAT.....		1	24	1-73	24	1.1		13,831	3.26	451	17	22		-37	-.05	-8	-8
01-31-66 1291498 5144134 5-73					6			13,958	3.52	491							
1504168 BOBANOA PAWNEE FARM NERO.....*		6	7	1-35	19	1.3		15,326	3.76	576	12	36		-223	-.01	-9	-14
04-24-65 1359626 5011326 5-73					12			16,124	3.80	612							

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS HM/DAU	REC/DAU HERDMATE	MILK	%	FAT	% INC	1ST REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1504173 LIME-HOLLOW B8 LADDIE-TWIN....	35-75	22	2	8-35,41,	32	1.0	15,976	3.37	538	19	59	+228	-.10	-6	+2
C8-16-66 1122127 4633179 1-73				55,91,93	57		15,721	3.52	554						
1504174 LIME-HOLLOW 8 8 LAD-TWIN.....	35-75	26	2	9-21,23,	33	1.0	15,746	3.52	554	30	60	-447	-.03	-20	-30
08-16-66 1122127 4633179 5-73				35,91,93	86		16,723	3.57	597						
1504189 VIR-CHAS PONTIAC LASS MALCOLM.*		1	17	1-32	17	1.4	15,466	3.74	578	7	22	-140	.00	-5	-8
01-02-66 1397752 4348443 5-73					21		16,298	3.78	616						
1504197 METCALFS RAG APPLE JIM.....*	21-10	57	2	6-11,12,	68	1.4	14,474	3.83	554	18	78	-904	+.20	-6	-32
C5-01-66 1182696 4858683 5-73				13,14,21	27		15,772	3.60	568						
1504201 BO-GIN HI BURKE.....		2	11	1-54	13	1.9	13,262	3.95	524	0	25	-409	+.04	-9	-20
01-15-65 1433435 4963131 5-73					22		14,929	3.81	569						
1504202 BO-GIN SKYLARK BARON.....*		1	14	1-54	14	2.0	10,951	3.35	367	14	24	-182	-.03	-11	-15
10-07-65 1308796 5825257 5-73					17		11,433	3.57	408						
1504234 MAYERS F A ROYALTY-TWIN.....*		5	13	1-23	22	1.2	14,398	3.50	504	20	30	+107	-.03	-1	+2
09-16-65 1395854 4416619 5-73					19		13,995	3.64	509						
1504247 DEWMERE ADMIRAL PRINCE.....		1	26	1-74	26	1.5	13,818	2.76	381	20	24	+143	-.06	-3	+2
07-24-65 1453583 5309729 5-73					9		13,097	2.94	385						
1504252 PENSTATE SOVEREIGN STAR.....*		17	16	3-21,23,	68	1.7	14,144	3.63	513	16	57	-564	-.06	-28	-40
01-22-66 1298831 3279562 5-73				55	25		15,222	3.74	569						
1504255 LOS BURKGDV ADMIRAL.....	93-03	10	8	1-93	39	1.4	17,583	3.67	646	8	51	+62	+.01	+4	+5
06-01-66 1237057 4912064 5-73					113		17,804	3.66	652						
1504271 TYPLUS AMOS SENATOR.....*		1	13	1-42	13	1.0	14,785	3.77	557	0	19	+534	.00	+19	+32
09-14-66 1252985 5733450 5-73					10		11,705	3.86	452						
1504284 HILLTOPPER REFLECTION GALLANT.*	31-07	21	2	2-32,34	28	1.3	13,741	3.88	533	19	58	-1,001	+.12	-20	-47
10-13-65 1408738 5117570 5-73					27		15,575	3.69	575						
1504316 KARL WAYNE SHAWS.....*		1	14	1-35	14	2.1	16,079	3.53	568	0	24	+370	-.04	+8	+18
11-13-65 1314767 4997361 5-73					15		14,580	3.68	537						
1504353 WHITTIER-FARMS MARQUIS MISTER.*		4	6	2-14,16	18	1.7	15,507	3.81	591	12	39	-883	+.03	-28	-50
01-17-66 1459996 5167684 5-73					29		18,182	3.75	682						
1504372 HAP-HOLO LAKEFIELD TOM.....*		4	4	2-33,63	10	1.2	14,218	3.54	504	0	28	-29	.00	-1	-2
01-04-66 1243697 5899429 1-73					15		14,319	3.56	510						
1504380 KNOB-VIEW SOVEREIGN SNOWMAN...	31-07	16	1	2-34,51	18	1.3	16,461	3.58	589	6	49	+593	-.04	+15	+30
C8-01-66 010233528 5464248 5-73					22		15,340	3.66	562						
1504405 JEDA-KI ROYAL SUNNY.....		1	12	1-56	12	1.0	11,719	3.77	442	17	19	-379	+.02	-11	-21
11-21-64 1406271 4955523 5-73					2		13,693	3.68	504						
1504414 VIGO CHARMCROSS.....*	23-13	95	2	5-21,22,	125	1.6	15,724	3.84	604	8	87	+561	+.12	+38	+48
C5-10-66 1357743 5715234 5-73				23,35,52	22		15,158	3.73	565						
1504422 LIME-HOLLOW WILLY INSIGNIA....	35-75	25	2	13-35,52,	30	1.2	16,876	3.48	588	4	60	+454	-.04	+10	+22
08-29-66 1179372 5444596 5-73				55,91,93	72		16,312	3.54	578						
1504477 CHER-LAR-BAR CRISSCROSS DEN..		3	11	1-35	19	1.4	14,118	4.07	575	11	30	-130	+.05	+2	-2
03-24-66 1378594 4630395 5-73					17		14,577	3.94	574						
1504520 HARTSBROOK ROLL WOOD IDEAL....*		2	7	1-13	12	1.0	17,282	3.66	633	8	25	+428	-.03	+11	+22
C7-31-66 1113350 4941135 1-73					41		15,678	3.80	595						
1504535 LANE-CREST BURKE PAUL.....*		1	18	1-32	18	1.7	10,009	3.55	355	17	24	-555	-.01	-21	-34
10-18-65 1438023 5383887 5-73					8		12,140	3.62	440						
1504549 CAIN-VIEW DUKE.....*		3	7	2-50,52	12	1.4	12,608	3.70	466	9	26	-190	+.01	-6	-11
12-01-65 1288610 4636987 5-73					21		13,212	3.69	488						
1504551 WINFARM ALTITUDE.....*	31-02	6	7	1-21	20	1.8	18,802	3.72	700	5	40	+545	+.04	+25	+37
12-16-65 1271810 4849385 5-73					27		17,782	3.66	651						
1504554 HOOGBOOM BUTTER KING OVATION..*		6	7	2-51,52	19	1.1	14,173	3.22	457	69	34	-168	-.06	-15	-17
C4-03-66 1373442 4113317 5-73					17		14,710	3.42	503						
1504602 MAKEMOR VISTA HAROEN-TWIN.....*		1	10	1-50	10	1.0	14,406	3.46	499	0	18	+133	-.05	-3	+2
C9-04-66 1291028 4544863 1-73					31		13,573	3.85	522						
1504619 HARLEN BURKE MINSTER MIKE.....*		4	5	2-23,51	10	1.2	13,810	3.53	487	20	25	+77	-.05	-4	-1
06-19-65 1283917 5512356 5-73					18		13,400	3.79	508						
1504629 KEN-MIKE HIALEAH TOM.....*		2	19	1-31	21	1.2	14,213	3.50	497	0	23	-219	.00	-8	-13
C8-20-66 1474152 5294894 1-73					17		15,237	3.52	537						
1504634 AMES-WAY MARK WHITEY.....*		4	8	3-32,33,	18	1.3	14,085	3.56	501	6	33	-182	-.02	-9	-13
04-29-66 1459996 3998529 5-73				35	10		14,666	3.64	534						
1504686 SIMPSONS SUNSHINE.....*	21-10	92	1	7-11,13,	110	1.4	16,207	3.70	600	12	85	+572	+.11	+37	+48
C3-06-66 1406271 4625057 5-73				14,16,21	26		15,665	3.58	561						
1504703 MAPLEWOOD-LANE PETE.....		1	16	1-33	16	1.6	14,192	3.78	537	20	23	+134	+.02	+8	+11
12-09-65 1406271 5727173 5-73					27		13,509	3.71	501						
1504704 MAPLEWOOD-LANE PEACHIE.....		2	13	1-33	15	1.1	14,245	3.66	521	18	22	-83	-.01	-4	-6
C4-11-66 1422782 5782995 5-73					23		14,659	3.72	545						
1504715 FO-MA-TO-SA VITALITY.....*		7	3	2-48,93	14	1.4	15,866	3.64	578	31	39	-475	-.02	-20	-31
09-30-65 1289574 5037739 5-73					40		17,393	3.71	646						
1504717 SMITH-LANE GALLANT OAN.....*		1	17	1-32	17	1.7	14,567	4.04	589	12	24	-127	.00	-4	-7
08-03-66 1329588 5514852 5-73					45		15,193	4.09	621						
1504737 FREEBAER GOLDEN EAGLE.....		1	19	1-21	19	1.2	15,168	3.43	521	21	22	-419	+.01	-14	-24
10-21-66 1453792 5679009 5-73					10		17,404	3.44	599						
1504743 SANHILL IDEAL HI HOPE.....*		5	4	1-32	10	1.5	17,566	3.67	644	20	29	+439	+.02	+19	+29
C8-01-66 1250992 6073270 5-73					25		16,219	3.60	584						
1504780 CHETHEL LUCY DUKE-TWIN.....*		1	11	1-23	11	1.7	13,370	4.00	535	9	22	+205	+.02	+10	+14
06-20-66 1222994 4380274 5-73					34		12,201	3.97	484						
1504781 CHETHEL LUCY MARK-TWIN.....	35-75	26	1	12-32,34,	33	1.1	15,653	3.49	546	16	62	-242	-.04	-14	-19
C6-20-66 1222994 4380274 5-73				41,87,93	78		16,230	3.55	576						
1504791 JERGENS SKY CHIEF.....*		4	9	2-41,46	16	1.2	17,674	3.47	614	19	28	+50	-.03	-3	-1
07-03-66 010256075 4420814 5-73					12		17,836	3.58	639						
1504803 OON-AUGUR FOURCROSS ACE.....*	23-13	139	2	8-12,21,	201	1.5	14,887	3.69	549	14	91	-167	.00	-6	-10
C8-18-66 1414231 5924542 5-73				22,23,91	23		15,147	3.70	561						
1504804 FLO-LOOK BELLE FANCY KING.....*		2	25	1-51	27	1.3	14,267	4.00	570	0	25	+50	+.06	+11	+11
11-27-65 1397054 4833918 1-73					31		14,029	3.76	527						
1504806 COMPEHNER BURKE IDEAL NELSON..	41-01	37	1	3-41,42,	40	1.1	15,566	3.33	518	18	67	+577	-.17	-5	+13
08-03-66 1368763 5549930 5-73				45	17		14,742	3.57	527						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS REC/DAU HM/DAU HERDMATE		MILK	%	FAT	% 1ST INC	% REPT	PREDICTED DIFFERENCES MILK	%	FAT	$$
1504830 ALSTAR SUPREME.....	35-75	26	1	12-21,23,	33	1.4	17,100	3.51	600	13	64	+1,012	-.07	+26	+52
06-01-66 1261857 5194893 5-73				32,35,55	37		15,642	3.61	564						
1504851 PALO-DURO LAD ARTIS RAVEN.....		1	32	1-74	32	1.3	13,628	3.51	479	28	24	-131	-.02	-7	-10
04-27-66 1282185 5110520 5-73					33		14,154	3.60	510						
1504867 KINGSTEAD PONTIAC HE-MAN.....*		2	9	1-51	11	1.1	16,124	3.68	593	18	21	0	+.01	+1	+1
07-25-66 1397752 4790266 5-73					29		16,321	3.66	597						
1504873 ELMER-BROOK BY GEMS MAJORITY..*		1	11	1-35	11	1.4	11,877	3.67	436	36	20	-199	-.01	-9	-13
08-14-66 1375087 5886748 5-73					14		12,717	3.80	483						
1504891 RAMBLE-RUN ADAM DRMSBY.....		1	13	1-21	13	1.4	13,411	3.59	481	31	21	-258	.00	-9	-15
04-22-66 1259968 3551893 5-73					82		14,678	3.60	528						
1504898 ESPLIN DEW VALE BURKGDV.....	31-07	16	2	3-41,42,	20	1.3	15,225	3.50	533	0	51	+392	-.05	+7	+18
11-20-65 1038509 4892799 5-73				82	23		14,454	3.59	519						
1504913 HEGRAL MAGICIAN SKYLINER.....*		1	12	1-42	12	1.8	14,032	3.36	471	9	22	-84	-.06	-11	-12
07-15-66 1244845 6094658 5-73					12		14,417	3.63	524						
1504920 GRAY-VIEW COUNTDOWN.....*		7	5	2-35,42	14	1.5	15,648	3.76	588	18	34	-168	-.04	-12	-15
01-16-66 1350414 5546372 5-73					24		16,342	3.90	637						
1504929 CRAEBROOK RAMBLER RAJAH.....	21-10	49	1	7-11,13,	51	1.5	15,801	3.55	561	26	75	+202	-.02	+4	+9
03-27-66 975138 3923035 5-73				14,16,21	25		15,658	3.58	560						
1504943 HOOGBOOM PONTIAC DELLA SESAME.*		7	3	2-51,52	17	1.2	14,073	3.41	480	24	41	-393	-.08	-26	-33
10-26-66 1397752 4527951 5-73					40		15,102	3.64	549						
1504952 D-E-LAN PRIDE REX.....		1	20	1-33	20	2.3	15,519	3.43	532	5	27	+163	.00	+6	+10
12-11-64 1237057 5027031 5-73					8		14,962	3.39	507						
1504983 NIEDERJOHNS NEO CHOICE.....		1	11	1-73	11	1.0	9,467	3.44	326	10	18	-295	.00	-11	-18
07-11-66 1308101 5321864 5-73					2		10,725	3.52	378						
1505006 ALLENDAIRY SUPREME.....*		3	11	2-23,51	16	1.2	11,708	4.13	484	31	26	-489	+.11	-2	-16
09-07-66 010254804 6245103 5-73					103		13,522	3.66	495						
1505067 SKAGVALE INSPIRATION.....*		5	4	1-91	14	1.2	15,025	3.59	540	0	35	-134	+.03	0	-4
04-03-66 1474506 3880121 5-73					15		15,526	3.51	545						
1505068 HYCKORY-HILL AAGGIE HOPE.....		1	21	1-21	21	1.1	17,697	3.45	611	14	22	0	-.01	-2	-2
11-01-66 1477208 5277180 5-73					32		18,064	3.52	635						
1505070 EDNACHESTER LAKEFIELD BUDDY...*		1	17	1-21	17	1.1	13,250	3.64	482	8	21	+61	+.01	+4	+5
01-24-66 1243697 5300251 5-73					16		12,790	3.57	457						
1505088 BURTONS TRIXIE SKYLINER AMOS..		1	12	1-48	12	1.3	16,356	3.69	604	8	20	+202	.00	+8	+13
07-21-56 1430094 5734353 5-73					4		15,462	3.69	571						
1505093 STORCHMONT POND TREASURE BEN..*		5	4	1-23	12	1.2	10,677	3.60	384	38	31	-953	-.03	-38	-60
04-24-66 1413713 5044929 9-72					17		13,641	3.71	506						
1505099 MILK & HONEY IVA THENE FURY...*	31-07	21	3	2-32,34	31	1.0	15,129	3.54	536	16	56	+4	-.05	-7	-6
08-04-66 1381027 5597409 5-73					111		15,203	3.64	553						
1505121 ELLWAY BRIDGET SKYLINER KING..*		1	24	1-41	24	1.5	11,921	3.56	424	4	24	-12	-.03	-5	-4
07-26-65 1244845 4969578 5-73					22		11,708	3.76	440						
1505143 GREEN MEADOW M R VALDR.....		13	56	9-21,34,	78	1.2	15,234	3.81	581	6	31	+239	+.04	+15	+20
05-23-66 1298430 5948156 5-73				41,48,55	394		14,472	3.69	534						
1505154 WALHOWDON YEOMAN M ROMEO.....*		8	2	3-12,13,	12	1.3	15,281	3.43	524	9	37	-152	-.05	-13	-15
06-01-65 1416113 5309191 5-73				21	41		15,844	3.58	568						
1505166 DURALYNE MAJOR FAULTLESS.....		3	7	1-35	15	1.0	16,298	3.45	562	20	29	+329	.00	+12	+20
07-01-66 1383004 5555750 5-73					12		15,245	3.40	519						
1505206 HOCHOALE MARION LASSITER.....		2	5	2-34,55	10	1.3	14,144	3.59	508	50	26	-369	.00	-14	-23
06-03-66 1438286 5667078 1-73					17		15,718	3.63	570						
1505212 PRODUCERS SKYLARK COMET.....	23-09	2	14	1-93	25	1.4	21,337	3.41	728	0	33	+880	-.04	+26	+48
02-03-66 1239242 4637183 5-73					150		19,100	3.48	664						
1505214 HOWACRES MAJESTY ROGER.....*		5	3	2-14,16	10	1.5	15,120	3.37	510	10	31	+367	-.05	+6	+16
05-13-66 1457932 4978519 5-73					19		13,864	3.51	486						
1505216 PARAGON GOLD CHARMER.....		1	15	1-34	15	1.7	12,095	3.45	417	7	23	-117	-.01	-5	-8
11-07-65 1357743 5690734 5-73					4		12,402	3.48	432						
1505219 PACLAMAR DOUBLE TRIUNE.....*	35-75	10	3	5-31,35,	18	1.3	18,491	3.56	659	12	44	+1,097	-.02	+37	+64
08-04-66 1450228 5107515 5-73				42,84,93	51		16,190	3.59	581						
1505223 PACLAMAR TRIUNE GIGANTIC.....*		3	20	1-84	29	1.1	14,385	3.39	488	11	28	+401	-.02	+12	+22
11-14-65 1450228 5341378 5-73					64		12,774	3.43	438						
1505227 PACLAMAR VOYAGEUR SKYLARK.....*	93-19	12	1	4-35,41,	13	1.1	14,547	3.54	515	8	40	-108	-.03	-8	-10
11-02-66 1210507 4743636 5-73				42,55	15		14,871	3.63	540						
1505245 MARIKENS ADMIRAL REFLECTION...		3	7	2-21,55	15	1.3	13,704	3.50	480	29	31	-534	.00	-19	-32
10-14-66 1445718 5586284 5-73					17		15,564	3.51	547						
1505262 ODN-AUCUR PROMISING SNOWHITE..*		1	47	1-11	47	1.4	17,915	3.82	685	4	25	+506	+.01	+20	+32
11-11-66 1404788 6557217 5-73					49		16,086	3.82	615						
1505295 ROCKET KENLAND OF CLENAFTON...*	33-03	332	3	36-21,23,	541	1.1	13,727	3.61	495	22	95	-1,104	-.02	-42	-68
01-19-64 010252803 0112C3302 9-72				34,35,51	26		14,940	3.63	542						
1505312 ROCK-RIVER ROYALTY.....		1	21	1-33	21	1.1	13,455	3.61	486	18	22	-149	-.03	-10	-13
09-06-66 1358275 4077693 5-73					20		14,113	3.80	536						
1505318 CLADCO DANNA CANARY DOC.....		3	22	1-91	45	1.5	16,223	3.62	587	20	39	+139	+.04	+10	+12
12-26-65 1303502 5132368 5-73					51		16,115	3.51	566						
1505329 KETCH-KREST CHARMER ESTEEM....*		1	14	1-21	14	1.1	15,666	3.76	589	14	20	+39	+.01	+3	+4
06-25-66 1357743 5628904 5-73					17		15,590	3.71	578						
1505344 CYPRESS-LANE SHARKIS.....		1	17	1-93	17	1.0	15,218	3.87	589	0	20	-449	+.07	-7	-19
08-20-66 1459996 5383475 1-73					78		17,784	3.62	643						
1505353 CLOVERBROOK PRINCE DRMSBY JOEL*		5	3	2-34,42	13	1.1	15,536	3.78	588	23	33	-298	+.06	-2	-11
09-12-65 1315612 5119047 5-73					14		16,663	3.64	606						
1505354 CLOVERBROOK ORMSBY KIRK.....*		3	11	1-42	24	1.7	16,797	3.67	616	4	38	+161	-.04	0	+5
09-23-66 1315612 4520412 5-73					20		16,594	3.78	628						
1505377 SILVER-CIRCLE MARQUIS DIRECTOR		3	7	1-32	12	1.3	15,447	3.61	557	17	26	-230	-.01	-10	-15
11-26-65 1459996 4875789 5-73					5		16,572	3.67	609						
1505394 BROOKFIELD COLANTHA CHARMER...*		3	7	2-52,55	16	1.5	14,551	3.51	511	14	34	-392	-.03	-18	-27
04-15-66 1357743 3612495 1-73					70		15,862	3.60	571						
1505402 ROULETTE CRISSCROSS R A DON...*		3	17	1-35	21	1.1	15,809	4.17	659	5	24	+291	+.11	+27	+31
09-03-66 1458102 5557756 5-73					21		14,615	3.74	547						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF OAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS	REC/DAU HEROMATE	MILK HM/DAU	% MILK	FAT %	FAT	% 1ST INC	% REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1505408 FISHERLEW DESIGN CRESTON SEGIS*		2	9	2-51,54	11	1.5	14,764	3.49	516	36	22	-359	+.02	-10	-19
11-28-65 1230151 4904285 5-73					27		16,589	3.44	571						
1505422 LUOVUE COMPUTER.....	35-21	15	1	3-35,41,	16	1.2	14,737	3.86	567	6	40	-257	+.09	+3	-5
09-26-66 1242338 4450682 5-73				47	17		15,371	3.67	564						
1505429 CEDAR-GROVE GOLDEN BOY.....	35-75	25	2	12-21,32,	32	1.3	15,423	3.54	546	4	62	+314	-.07	+1	+10
08-01-66 1282185 5558682 5-73				35,55,93	41		14,974	3.65	547						
1505454 GLADEVALE CHARMER.....*		1	16	1-51	16	1.3	13,379	3.44	460	19	22	-197	-.01	-8	-13
10-10-66 1357743 5689201 5-73					36		14,288	3.49	498						
1505491 POEHLS PERFECTION MARTY.....*	21-10	43	1	6-11,12,	45	1.2	14,540	3.42	497	17	71	-689	-.11	-40	-54
09-24-66 1307195 4518352 5-73				13,16,21	30		15,639	3.57	559						
1505508 SCHREIBERS ALSTAR AMITY ZIM...*		1	10	1-16	10	1.3	16,634	3.66	609	11	19	+72	+.01	+4	+5
07-26-66 1251857 5774619 1-73					43		16,463	3.62	596						
1505510 SEARS ELLBANK PRIDE.....*		7	2	1-13	14	1.3	13,045	3.56	464	8	39	-550	-.02	-22	-35
11-20-66 1282262 5667285 5-73					14		14,473	3.62	524						
1505519 POESTENKILL CRAFTSMAN LAD.....*		1	11	1-21	11	1.1	14,406	3.41	491	**	19	-44	.00	-2	-3
04-24-66 1130632 5911043 1-73					14		14,676	3.45	506						
1505538 KAY-HART SENATOR.....		3	5	1-93	10	1.0	17,470	3.55	620	0	25	+187	-.05	0	+6
08-26-66 1470014 4022405 5-73					62		16,966	3.71	630						
1505539 SUNNYOECK CRITERION PAYMASTER.*		1	16	1-91	16	1.1	17,379	3.30	573	13	20	+183	-.03	+2	+7
06-11-66 1439260 4990740 5-73					38		16,710	3.39	566						
1505540 SUNNYOECK OLYMPIAN WILLY.....*		2	8	1-91	10	1.1	17,804	3.02	538	17	20	+268	-.12	-8	+2
06-22-66 1428348 5033116 5-73					31		16,693	3.54	591						
1505549 WILEEDA SUPREME OEWEY.....*		2	8	2-21,73	10	1.3	17,911	3.60	645	30	21	-200	+.07	+3	-4
07-08-66 1468639 4666304 1-73					21		19,367	3.31	642						
1505551 GREEN-HILL-FARMS STARMAN.....		2	8	1-34	10	1.4	14,806	3.65	540	10	22	+55	+.01	+3	+4
08-24-65 1410984 5336805 9-72					19		14,570	3.62	527						
1505600 LOGWOOD BLANE MANUEL.....*		6	3	3-23,51,	13	1.6	13,157	3.63	478	8	37	-715	+.08	-15	-34
11-02-65 1422892 4125871 5-73				52	79		15,165	3.44	521						
1505601 SHG SUPREME ALVIN.....*		2	7	1-63	12	1.6	12,528	3.62	453	0	27	-207	+.01	-6	-11
12-15-64 1433215 5789088 5-73					15		13,168	3.61	476						
1505628 LIME-HOLLOW OEAN IMPERIAL.....	35-75	23	1	12-21,35,	29	1.2	16,699	3.46	577	4	59	+381	-.09	+1	+12
10-14-66 956081 4759209 5-73				41,84,93	48		16,239	3.58	582						
1505667 MARTENS-FARM SKYLINER.....*		4	5	1-21	10	1.2	14,589	3.41	498	30	25	-34	-.01	-3	-3
09-16-66 1244845 4583397 5-73					14		14,767	3.49	515						
1505677 LIME-HOLLOW B B LAD MODEL.....	35-75	29	1	9-21,23,	34	1.0	15,631	3.53	552	9	62	-118	+.02	-2	-5
11-04-66 1122127 5532613 5-73				52,55,93	64		15,981	3.51	561						
1505724 DR-KAY STYLEMASTER BILLIE.....		1	14	1-32	14	1.4	13,470	3.76	506	36	21	-208	+.04	-2	-8
10-05-66 1366152 4710188 5-73					23		14,470	3.61	522						
1505748 STRICKLER CHARMER DUKE.....	35-75	42	1	13-21,35,	52	1.2	15,650	3.50	547	17	72	-173	-.08	-18	-20
08-01-66 1357743 5707143 5-73				48,55,93	46		16,057	3.61	579						
1505765 A-F ADMIRAL NOBLE.....*		4	19	2-33,35	26	1.9	15,359	3.55	546	8	31	+81	-.03	-2	+1
05-24-66 1237057 4370290 5-73					35		15,181	3.70	561						
1505782 HUFFMAN ROCKY KNIGHT-TWIN.....*		2	15	1-35	17	1.2	14,141	3.69	522	47	23	-274	+.01	-8	-15
08-31-66 1242221 3665098 5-73					14		15,467	3.67	568						
1505811 IRVINGTON ADMIRAL OELLA.....	31-07	29	1	7-31,32,	35	1.1	14,924	3.55	530	22	63	+33	-.08	-10	-7
08-01-66 1237057 4257649 5-73				33,54,61	29		14,925	3.69	550						
1505816 DINGLEY-DELL JOE CAESAR.....		1	16	1-41	16	1.4	13,965	3.72	520	0	22	+38	-.01	0	+1
09-15-66 1216957 4088813 5-73					15		13,721	3.81	523						
1505824 CLOVER-BELT DOMINO.....*		2	9	1-35	11	1.6	12,351	3.92	484	18	23	-431	+.03	-11	-22
01-09-66 1419633 5207174 5-73					14		14,210	3.79	539						
1505830 RINCON RAG APPLE JIM-TWIN.....	93-16	5	10	1-93	24	1.2	20,475	3.37	689	9	36	+645	-.07	+13	+30
08-24-66 1182696 4628509 5-73					96		19,165	3.48	667						
1505832 RINCON MAGNETIC.....		2	17	1-93	26	1.1	20,526	3.48	715	0	29	+194	+.01	+9	+13
09-02-66 1297472 5759681 5-73					82		20,457	3.43	701						
1505896 YODERSTEAD SEVENS JERRY.....*		1	17	1-23	17	1.4	17,602	3.89	684	0	22	+458	+.04	+22	+32
04-09-66 1239242 5521553 5-73					26		15,675	3.79	594						
1505900 MACREE PONTIAC PET.....*		3	6	1-34	11	1.3	14,882	3.50	521	20	25	-54	-.01	-4	-5
08-02-66 1354925 5064795 5-73					19		15,180	3.57	542						
1505944 OON-AUGUR PRECIOUSBOY.....		8	7	2-14,23	23	1.7	14,564	3.93	572	29	42	-476	+.11	-2	-16
10-14-65 1415806 6126981 5-73					25		15,840	3.69	585						
1505968 FLEETRIDGE MARJON.....*		3	12	2-16,34	20	1.6	20,181	3.57	720	5	31	+865	-.05	+23	+45
12-18-65 1277619 5208020 5-73					26		17,715	3.73	661						
1505978 DIAMOND-S GLAMOUR CHUCK-TWIN..	31-07	39	4	5-32,33,	64	1.1	14,734	3.72	547	25	69	-384	+.03	-10	-20
04-30-66 1282185 4806326 5-73				34,35,93	34		15,357	3.70	568						
1505983 WESTHEIM PRESTIGE.....	91-13	37	2	4-82,91,	49	1.3	15,170	3.55	539	12	71	-249	-.06	-17	-21
C7-28-66 010264804 6171221 5-73				92,93	27		15,649	3.64	570						
1506016 ELEVATION MAINSPOKE CROSS.....	35-21	26	1	3-35,41,	28	1.2	12,944	3.75	485	15	60	-1,190	+.08	-33	-63
07-08-66 1378594 5646711 5-73				42	21		15,003	3.63	545						
1506029 COXLAND MAXIMUM CHIEFTAIN.....*		2	8	2-32,74	10	1.1	17,549	3.26	572	0	20	+381	-.03	+9	+19
10-02-66 1282936 5395093 5-73					24		15,781	3.34	527						
1506042 HEUERS MARSHALL CHIEF.....		1	20	1-41	20	1.4	15,341	3.77	579	20	23	+240	.00	+8	+14
09-07-66 1425137 5745963 5-73					10		14,273	3.83	547						
1506046 HEUERS SKYCROSS PRIDE.....*		1	13	1-41	13	1.0	14,358	3.64	523	15	19	+54	-.01	+1	+2
C9-12-66 1441148 5043637 5-73					32		14,041	3.70	520						
1506061 CYPRESS-LANE FLANDER.....		2	11	1-93	13	1.4	15,150	3.70	560	22	23	-492	+.05	-11	-24
05-16-66 1419629 5639882 5-73					81		17,649	3.52	621						
1506081 CASWELL ORLA PABST JOHN.....*		1	16	1-55	16	1.0	15,990	3.42	547	6	20	-120	.00	-5	-8
10-05-66 1348259 4961245 5-73					19		16,843	3.46	583						
1506082 CASWELL COLANTHUS ZE8.....*	55-01	6	5	1-55	24	1.3	18,144	3.64	660	8	45	+512	-.04	+12	+25
11-08-66 1137421 4411715 5-73					41		17,300	3.73	646						
1506099 GOLDEN-PRAIRIE MONOGRAM BURKE.		2	8	1-34	14	1.6	12,865	3.57	459	56	30	-243	-.02	-12	-17
07-05-65 1335787 4648291 5-73					9		13,612	3.67	500						
1506102 BRANLINE DIAMOND ADMIRAL.....*		2	12	2-31,35	14	2.2	13,551	3.67	497	8	26	-50	-.02	-4	-5
11-21-65 1237057 4596935 5-73					18		13,675	3.76	514						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS	REC/DAU	HERDMATE	MILK	% FAT	FAT	% 1ST LNC	% REPT	PREDICTED DIFFERENCES MILK	%	FAT	$$
1506116 OELATI OUKE MARK ANN JOE.....	35-75	25	1	12-21,23,	30	1.2		16,168	3.65	590	11	60	+382	.00	+14	+23
C6-18-66 1222994 4451117 5-73				35,41,93	36			15,661	3.65	572						
1506128 GREEN-COVE HIGHMASTER.....	31-07	58	2	7-31,32,	90	1.2		15,323	3.52	540	13	81	+144	-.10	-10	-4
C7-32-56 1271810 3876252 5-73				33,61,63	23			15,229	3.66	557						
1506151 PINEHURST TRIUNE REFLECTOR....*		2	15	1-31	17	1.5		15,692	3.87	607	29	24	-127	+.07	+5	0
12-19-65 1298430 4218013 5-73					10			16,422	3.63	596						
1506170 WEST-WIND MARQUIS TOM.....*		2	8	1-14	11	2.4		14,403	3.82	550	9	28	-168	+.01	-4	-8
12-18-65 1459996 5249983 5-73					22			15,085	3.81	574						
1506171 WEST-WIND MARQUIS JIM.....*		3	7	1-14	10	1.2		15,352	3.26	500	60	23	+3	.00	0	0
12-22-65 1459996 5221548 9-72					18			15,442	3.27	505						
1506184 UTAO CHARMER HERCULES.....*		3	10	3-82,87,	14	1.2		16,953	3.50	593	23	24	+451	-.03	+12	+24
C4-06-65 1357743 5311317 5-73				91	19			15,140	3.60	545						
1506205 WAR-REN HEILO FONO HOPE.....*		4	5	1-91	10	2.1		17,266	3.27	564	13	28	+251	-.06	0	+8
C3-18-55 1243697 5335315 5-73					35			16,598	3.45	572						
1506219 WAUKONA SUPREME ADMIRAL OLLIE.	93-19	5	8	2-91,93	28	1.3		18,351	3.76	690	12	43	-101	+.17	+20	+13
05-25-56 1237357 4660242 5-73					128			19,052	3.45	658						
1506245 PROSPEROUS FANCY GALAXY.....	35-75	31	1	12-21,35,	38	1.3		16,345	3.77	616	3	66	+697	+.10	+40	+54
C7-15-55 1251857 5052939 5-73				41,91,93	54			15,389	3.63	559						
1506255 WESTMORELAND HH SPARK.....*		2	14	1-31	16	1.8		16,295	3.34	544	13	25	+13	-.07	-10	-8
C1-10-65 1250992 4858477 5-73					11			16,448	3.62	595						
1506276 ROUND-OAK MARQUIS ESQUIRE.....*		1	33	1-52	33	1.1		12,461	3.71	462	24	23	-283	+.02	-8	-15
04-14-66 1459996 4596284 5-73					50			13,613	3.67	499						
1506281 PARAMOUNT FAN LEADER.....		2	10	1-41	18	2.2		14,632	3.83	561	5	34	+17	+.03	+5	+5
11-04-65 1242338 4307655 5-73					13			14,604	3.77	550						
1506285 LITTLE-NORWAY GINGER BURKE....		1	13	1-35	13	1.0		16,384	4.04	662	8	19	+52	+.06	+11	+11
C9-16-66 1258673 3996842 1-73					21			16,304	3.75	611						
1506302 FORT-MADISON LANCE PREMADE....*		2	5	1-42	10	1.6		17,493	3.81	666	10	27	+655	+.06	+32	+46
10-09-55 1355058 4861874 9-72					27			15,173	3.65	554						
1506331 VALLA-VISTA KING DARIUS.....*		5	7	1-55	16	1.3		17,730	3.58	634	6	31	+205	.00	+8	+13
11-05-56 1371268 5652215 5-73					41			17,377	3.56	619						
1506335 WALKWAY CHAMPION ROGER.....		1	16	1-33	16	1.4		14,425	3.46	499	13	22	-82	-.03	-7	-8
C3-25-56 1353507 5406901 5-73					34			14,845	3.63	539						
1506353 D-D PIONEER BURKE.....		2	5	1-48	10	1.6		12,629	3.86	464	20	27	-226	+.06	+1	-6
09-06-55 1292880 4626223 5-73					16			12,696	3.58	455						
1506360 CFREY ORMSBY ALSTAR.....		1	14	1-88	14	1.0		18,120	3.54	642	0	19	+299	+.03	+15	+21
C6-25-55 1251857 4007896 5-73					28			16,815	3.40	572						
1506395 HOMEDALE WAYOEDC THOMAS.....*		3	7	3-21,34,	10	1.0		17,452	3.86	673	20	22	+65	+.10	+17	+16
09-01-66 1252934 5548212 9-72				56	47			17,455	3.45	602						
1506403 EDGEWOOD SANOY BROOKE TEXAL...*		8	5	3-35,41,	18	1.1		14,521	3.54	514	29	38	-154	-.04	-11	-14
C8-09-66 1449841 5342447 1-73				47	14			14,990	3.66	548						
1506417 POOJNK GRAPHIC MIL.....*		2	9	1-34	15	1.5		12,279	3.68	452	0	29	-57	.00	-2	-3
11-16-65 1320015 5248310 5-73					24			12,271	3.72	456						
1506441 RIDGE-ACRES FORTY-NINER RAVEN.*		4	5	1-84	10	1.0		16,049	3.30	530	0	24	+147	-.05	-2	+3
C9-27-66 1283917 5632027 1-73					16			15,541	3.51	546						
1506449 HI-DE-HO ROYAL BURKE BARNIE...	35-75	23	2	10-21,23,	29	1.1		16,091	3.56	573	22	58	-143	-.01	-6	-9
10-27-56 1300014 5265667 5-73				35,55,93	104			16,558	3.58	592						
1506477 SUN-DALEN SAMPSON.....*		2	16	2-34,42	18	1.6		14,501	3.57	517	44	25	-176	+.01	-5	-9
C1-18-55 1290182 5573721 5-73					18			15,304	3.55	544						
1506490 MO-MAPLE-LAWN MARQUIS ROSS....*		2	13	1-51	15	1.5		20,009	3.34	669	8	24	+553	-.03	+15	+29
C6-25-66 1459996 4847725 1-73					64			18,072	3.40	614						
1506494 VALLA-VISTA PEACE SCROLL.....*		3	10	1-47	14	1.3		14,062	3.54	498	21	24	-209	-.02	-10	-15
12-07-56 1289574 5924305 5-73					10			14,985	3.64	546						
1506514 WILLSHOLM EXODUS.....*		5	9	2-23,51	16	1.3		16,510	3.78	624	6	29	-255	+.04	-4	-11
10-24-56 1459996 3607547 5-73					20			17,744	3.69	655						
1506525 ST CROIXCO CRYSTAL ROCK.....*		2	28	1-35	30	1.3		13,379	4.34	580	10	25	-549	+.11	-5	-21
C2-12-66 1304384 5242411 5-73					25			15,722	3.90	613						
1506563 WINNEBAGO PIONEER CLAUDE.....		1	22	1-35	22	1.7		14,452	3.73	539	5	25	-133	+.03	0	-4
C3-03-66 1292880 4383604 5-73					16			15,068	3.64	548						
1506579 QUIET-ACRES REFLECTION MARQUIS*		2	37	1-91	39	2.0		17,393	3.62	630	6	28	+63	-.01	+1	+3
C8-13-65 1459996 5335217 5-73					203			17,480	3.64	637						
1506581 QUIET-ACRES ROMEO MARQUIS.....		1	20	1-91	20	1.4		17,180	3.73	640	15	23	-10	+.02	+3	+2
C6-04-66 1459996 4701035 5-73					213			17,542	3.65	640						
1506584 QUIET-ACRES SKAGIT MARQUIS....		1	14	1-91	14	1.6		16,093	3.75	603	14	23	-272	+.03	-5	-12
C9-14-66 1459996 3687885 5-73					218			17,630	3.63	640						
1506617 BELVEDERE SKOKIE PABST.....	35-75	22	1	11-21,31,	24	1.2		14,837	3.62	537	13	55	-600	+.04	-16	-31
C6-19-56 1315498 4228814 1-73				35,55,91	45			16,092	3.57	574						
1506675 BEASLEYS CHIEF FLYING CLOUD...*		1	14	1-63	14	1.0		13,472	3.60	485	7	19	-36	+.04	+5	+3
12-15-66 1397517 6026431 5-73					26			13,584	3.32	451						
1506698 BROWNSON SENSATION.....		2	10	1-34	12	1.4		15,932	3.31	528	27	23	-141	-.01	-6	-9
C6-20-66 1257271 5968937 5-73					7			16,803	3.36	565						
1506710 ALLENDAIRY EQUITY.....*		6	5	4-21,23,	18	1.0		14,613	4.09	598	38	37	-137	+.15	+17	+10
C8-05-65 1459996 4482901 5-73				51,92	97			15,058	3.69	555						
1506714 ARLINDA JEWEL OYNAMO-TWIN.....		5	7	2-86,93	22	1.3		18,700	3.78	706	6	40	+363	+.08	+25	+31
C6-05-66 1457364 4515304 5-73					124			18,159	3.62	658						
1506716 MONTSTATE GRANDIER SANOY.....	41-01	27	1	5-41,46,	34	1.1		14,229	3.59	511	29	62	-641	+.02	-20	-36
01-25-66 1277619 4989957 5-73				81,82,87	23			15,358	3.56	547						
1506725 BOJIC REFLECTOR.....*		3	4	1-31	10	1.3		18,493	3.75	694	20	27	+795	-.02	+26	+45
C9-27-66 1381027 5142153 5-73					12			15,701	3.88	609						
1506741 FOUR-KNOLLS R M OONOL.....*		3	9	1-23	13	1.1		13,419	3.57	479	31	23	-426	-.01	-17	-27
C7-04-66 1459996 5290082 5-73					27			15,382	3.65	561						
1506745 E-Z-ACRES ORLO SKYDEAN.....*	31-07	6	4	1-55	19	1.5		18,294	3.57	653	6	43	+878	-.06	+22	+45
C8-21-56 1348259 5738278 5-73					42			16,442	3.71	610						
1506748 E-Z-ACRES FRASEA ANSWER.....	35-75	30	1	13-23,35,	35	1.1		17,336	3.46	600	9	63	+825	-.11	+13	+36
C9-10-56 1307195 5700104 1-73				55,84,93	48			16,215	3.61	586						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HD	STATES NO- WITH MOST DAUS	...DAUGHTERS AND HERDMATES... DAUS	REC/DAU HERDMATE	MILK	% FAT	FAT	% 1ST LACT INC	% REPT	PREDICTED DIFFERENCES MILK	% FAT	FAT $$
1506749 WESTFALL REFLECTOR DISMAS.....*		1	16	1-22	16	1.3	17,537	3.64	639	13	22	+181	-.02	+4 +9
06-13-66 1298831 5540387 5-73					40		16,952	3.74	634					
1506792 EMMONS PROMISE MARQUIS.....*		1	10	1-34	10	1.0	16,031	3.39	543	30	18	-273	-.04	-16 -21
07-25-66 1459996 6074858 9-72					26		17,936	3.64	653					
1506855 MOOSEHEART TRAVELER.....*	35-03	6	3	2-33,35	11	1.2	15,417	3.72	574	20	32	+150	-.04	0 +5
08-05-66 1444859 3540979 5-73					17		15,009	3.86	580					
1506860 ABBEYDALE WHITECROSS.....*		2	10	1-43	12	1.6	15,560	3.53	549	8	23	+301	-.03	+6 +14
08-21-66 1378594 5107118 5-73					20		14,262	3.67	524					
1506862 LOKTO SKY-HAWK JIM.....		1	23	1-45	23	1.4	13,515	3.65	493	10	23	+84	+.01	+4 +6
09-13-66 1471151 6082833 5-73					34		13,019	3.63	472					
1506870 NSH MISTER FLIT STAR.....		1	15	1-47	15	1.2	9,302	4.01	373	7	21	-408	+.08	-4 -16
07-18-66 1452196 4780573 5-73					3		10,933	3.52	385					
1506872 YDLAOIN IVAN RAIDER.....*	21-10	39	1	5-11,13,	43	1.3	16,770	3.63	608	12	70	+664	+.03	+29 +44
11-07-66 975138 4946883 5-73				14,16,21	24		15,977	3.58	572					
1506873 LEADERWOOD CHARMER.....*		4	7	1-23	15	1.1	15,464	3.54	547	7	29	+25	+.01	+3 +3
10-13-66 1357743 5143963 5-73					11		15,486	3.49	540					
1506880 ALTURA WILLIAM STANLEY.....*		4	7	2-41,45	12	1.1	15,394	3.61	556	33	25	-139	-.01	-7 -10
10-24-66 1339836 5706289 5-73					24		16,138	3.68	594					
1506933 SAPA-SKA HONORABLE ABBEKERK...*		4	11	1-41	16	1.3	17,433	3.59	626	7	27	+265	+.04	+16 +21
02-07-66 1457318 5149175 5-73					14		16,662	3.44	573					
1506939 SILVER-SHADE NOAH AOMIRAL.....*		4	17	1-11	24	1.1	16,979	3.79	643	13	27	+449	+.01	+18 +28
C9-05-66 1237057 5898415 5-73					31		15,412	3.77	581					
1506957 ROUND-OAK JO STAR ETHAN.....		2	8	1-52	14	1.0	12,584	3.88	488	0	26	-161	+.03	-1 -6
07-05-65 1274923 5808823 5-73					3		13,069	3.78	494					
1506961 HIGHER-VIEW MODEL FOB VELVET..		3	9	2-35,48	15	1.3	13,397	3.48	466	0	28	-38	-.01	-3 -4
09-13-65 1457081 5149873 5-73					9		13,444	3.53	475					
1506975 LON-NIE SENATOR PEORO.....*		1	11	1-48	11	2.1	18,898	3.67	693	0	23	+537	+.02	+23 +35
11-17-64 1357352 5377448 5-73					12		16,780	3.59	602					
1506979 TENSEN IDEAL IKE-TWIN.....*		3	5	2-31,63	11	1.0	13,878	3.49	484	0	26	-66	-.01	-4 -5
10-27-66 1381027 6444423 5-73					22		14,108	3.56	502					
1506982 ZELDENRUST IDEAL LEADER.....*		2	16	1-32	18	1.3	16,376	3.50	573	11	23	+183	-.05	0 +6
11-13-66 1381027 5846146 5-73					28		15,725	3.71	583					
1506988 OORDTHEA-ACRES MOOSEHEART MACK*		2	5	1-23	10	1.0	13,791	3.58	494	20	24	+16	+.01	+2 +2
07-17-55 1232880 6413476 5-73					37		13,652	3.55	484					
1507020 HOPPMANS LILVERN CROWN PRINCE.*		7	5	2-32,35	22	1.3	15,313	3.71	568	19	44	-106	+.04	+2 -2
08-30-66 1277213 5080783 5-73					23		15,685	3.62	568					
1507054 ELM-RIDGE MEDALLION PRIORITY..*		2	8	1-35	12	1.2	15,519	4.00	621	9	24	+334	+.04	+18 +25
04-14-66 1454102 4117171 1-73					25		14,125	3.89	549					
1507055 ELM-RIDGE MEDALLION MASTER....*		1	22	1-35	22	1.1	13,334	3.58	478	41	21	-228	-.02	-11 -16
05-05-66 1454102 4850296 5-73					14		14,406	3.73	538					
1507058 ELM-RIDGE MEDALLION MAGIC.....*		1	13	1-35	13	1.3	15,208	3.99	607	8	21	+96	.00	+3 +5
07-05-66 1454102 4373956 5-73					30		14,776	4.06	600					
1507066 WIL-MAC HERMES ZEUS.....		1	13	1-23	13	2.2	13,044	3.54	462	0	24	-252	-.01	-11 -17
02-15-66 1206797 3756791 5-73					29		14,060	3.62	509					
1507098 METCALFS SHAMROCK TRIUMPH.....*		3	4	1-13	10	1.1	18,141	3.43	622	0	26	+390	-.09	+1 +13
C9-02-66 1444415 5304018 5-73					24		16,883	3.73	629					
1507108 KIMVALE ORLO ARISTO ORY.....	41-01	28	1	1-41	29	1.0	14,310	3.96	566	24	59	-193	+.18	+19 +10
12-05-66 1348259 4539918 5-73					14		14,666	3.65	535					
1507141 PACLAMAR TRIUNE STANLEY.....		3	16	1-47	20	1.2	15,723	3.89	612	5	25	+400	.00	+14 +24
12-23-66 1450228 4650618 5-73					59		14,071	3.99	561					
1507163 BENOMEAD SKOKIE BOY.....*		2	11	2-31,61	13	1.2	14,110	4.03	568	15	22	-469	+.06	-9 -22
12-07-66 1282185 5438479 5-73					30		16,508	3.80	627					
1507169 BESSIE-DELL RAG APPLE DALE....*		2	10	1-33	12	2.2	14,344	3.88	556	17	25	+148	+.03	+9 +12
01-01-65 1356406 4804380 1-73					13		13,693	3.79	519					
1507177 VALLEY-CREST MARQUIS BARON....*		3	6	1-13	13	1.3	11,687	3.64	425	54	29	-650	+.03	-20 -36
11-25-66 1459996 5579894 5-73					44		13,855	3.57	494					
1507197 VINE-VIEW TEO.....*		1	13	1-31	13	1.2	11,735	3.73	438	0	20	-352	+.02	-10 -19
09-23-66 1488025 4950519 5-73					21		13,381	3.65	488					
1507201 BIG-GREEN CHIEF.....*		1	24	1-21	24	1.8	16,735	3.63	607	13	26	+234	-.01	+7 +13
C8-04-65 1282596 3404646 5-73					56		15,979	3.67	586					
1507237 S-DF-D PIONEER LEADER.....		1	13	1-71	13	1.5	13,412	2.73	366	15	21	-298	-.09	-23 -28
07-12-66 1292880 5618593 5-73					4		14,883	3.20	476					
1507274 RAY-LOU LAD KEY.....	23-13	50	1	2-22,23	59	1.5	15,592	3.48	542	22	76	+272	-.20	-19 -7
03-24-66 1122127 4112322 5-73					27		15,330	3.74	573					
1507277 WALRIDGE I F R LAUREL.....*		2	10	2-22,23	12	1.1	15,244	3.84	585	0	21	+182	+.01	+8 +12
11-19-66 1381027 5705337 5-73					52		14,367	3.81	548					
1507278 WALRIDGE IDEAL REFLECTOR.....*		2	13	2-31,32	15	1.1	12,711	3.44	437	9	22	+223	-.03	+3 +9
09-22-66 1381027 4494742 1-73					15		11,375	3.63	413					
1507280 LY-PH REFLECTION GUARD.....*		3	12	2-35,63	19	1.4	18,322	3.55	651	11	29	+656	-.06	+15 +32
10-05-66 1383551 5533505 5-73					13		16,228	3.75	609					
1507282 WIS ADMIRATION PIONEER BOY....*		3	9	3-35,51,	12	1.2	14,259	3.49	498	9	23	-239	-.01	-10 -15
07-19-66 1409475 5403554 9-72				52	10		15,398	3.55	547					
1507295 BIRCHWOOD IVANHOE WINTER.....		1	21	1-34	21	1.6	15,359	3.76	577	6	24	-246	+.06	0 -7
02-19-66 1447141 5213424 5-73					21		16,611	3.52	584					
1507310 SHERWOOD MAXIMILIAN.....		1	11	1-35	11	1.1	11,251	3.87	435	9	19	-403	+.02	-12 -22
10-17-66 1459996 5830122 5-73					34		13,314	3.76	501					
1507316 DONNANDALE SEARS YAM.....*		7	2	1-21	10	1.3	15,926	3.44	548	20	33	+275	-.04	+4 +12
05-30-66 1085978 5455108 1-73					23		15,169	3.55	538					
1507328 HOWARD-HOME PRINCE SCOTTY.....*		1	14	1-35	14	1.4	17,467	3.98	696	0	22	+162	+.04	+11 +14
05-03-66 1315612 5154658 5-73					15		16,972	3.89	660					
1507377 VILLA-ROSA CRUSADA WINN.....*		2	8	1-33	10	1.4	15,342	3.45	530	10	22	-102	.00	-4 -6
C8-24-66 1315578 5144948 1-73					42		15,981	3.47	555					
1507396 CLEM-EL-FARM OON MARQUIS.....*		6	11	1-21	19	1.3	15,921	3.42	544	21	30	+246	-.03	+4 +11
12-12-66 1459996 5577886 5-73					26		15,192	3.50	532					

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS	REC/DAU	MILK HM/DAU	% HERDMATE	% MILK	FAT HM/DAU	% HERDMATE	% FAT	1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1507408 PERRY-CREST CHARMER SUNLIGHT..*		2	9	2-11,21	11	1.6	15,857	3.49	554				0	23	-4	-.03	-4	-3
02-08-66 1357743 5515695 5-73					36		16,045	3.63	582									
1507421 JONAVAN HENRY EIGHT.....*		3	9	1-34	14	1.2	17,664	3.50	618	14	26		14	26	+205	-.05	0	+6
09-30-66 1239242 4901773 5-73					10		17,139	3.66	628									
1507457 JERGENS RAG APPLE MONARCH.....*		7	8	3-41,42,	24	1.4	16,809	3.65	614	24	40		24	40	+240	-.02	+5	+11
07-01-65 1449841 4420814 5-73				46	19		16,413	3.72	611									
1507459 SCHWANTZ UNIQUE WIS SUZE.....		1	29	1-41	29	1.7	13,005	3.78	491	10	25		10	25	-113	-.01	-6	-8
12-12-65 1384257 5385976 5-73					7		13,351	3.89	519									
1507468 RAINBOW IVANKING NAT.....*		3	11	1-34	19	1.3	15,012	3.20	481	21	29		21	29	-124	-.12	-21	-21
10-07-66 1397054 5427387 5-73					44		15,556	3.61	562									
1507502 MERRY-AIR ROBURKE CROSS.....*		1	12	1-21	12	1.3	14,161	3.80	538	**	20		-272	+.06	-1	-9		
03-01-65 1378594 4813274 1-73					24		15,665	3.51	550									
1507527 RINCON REGIUS ALOO.....*		4	27	1-93	33	1.0	18,971	3.65	692	13	26		+173	+.06	+15	+18		
07-07-66 1439051 5690639 5-73					61		18,728	3.45	647									
1507556 EDFORDEX GALLANT RAG APPLE....		1	37	1-35	37	1.3	12,246	3.53	432	5	24		-361	+.02	-11	-21		
09-08-66 1329588 5813580 5-73					13		13,771	3.46	476									
1507560 BIG-ROCK IVAN ROYAL.....*		3	10	1-21	14	1.2	13,726	4.07	558	8	24		-174	+.04	-1	-6		
08-24-66 1433868 5463323 5-73					19		14,465	3.96	573									
1507569 SINKING-SPRINGS GLAMOUR BRIGHT*	21-10	159	2	7-11,12,	223	1.4	16,219	3.43	557	12	92		+503	-.12	0	+15		
07-20-66 1232185 5201332 5-73				13,16,21	28		15,813	3.56	563									
1507572 COMHERD ROYAL OJKE ADMIRAL....*		5	8	2-43,71	16	1.3	14,948	3.80	568	6	30		+33	+.09	+14	+12		
07-15-66 1237057 5322157 5-73					17		14,890	3.51	522									
1507590 FOXLEASE CHAMPION.....*		3	10	2-52,57	14	1.1	15,759	3.52	555	9	24		0	-.02	-3	-2		
06-18-66 1357743 4576321 5-73					17		15,912	3.63	577									
1507622 BOTH-BROOKS CREAMELLE LEADER..		1	21	1-35	21	1.7	15,158	3.87	586	0	25		+142	.00	+5	+8		
03-20-66 1314767 4855847 1-73					10		14,599	3.91	571									
1507676 UGHRINS PARADISE CRITERION OEN*		1	11	1-31	11	1.4	15,097	3.61	545	0	20		-103	.00	-3	-6		
08-27-66 1464767 5520013 5-73					25		15,754	3.61	569									
1507685 CASTLE-VIEW M BURKGOV.....*		1	10	1-61	10	1.3	12,568	3.33	419	30	19		+54	-.01	0	+2		
10-12-66 1450692 5629500 5-73					103		12,051	3.39	408									
1507710 SUNNYSIDE VICTOR MOSE.....*		3	6	1-35	13	1.0	17,222	3.61	621	8	27		-16	-.04	-6	-5		
11-07-66 1392559 5395121 5-73					22		17,605	3.76	662									
1507718 QUESTOVER FURY SQUIRE-TWIN....*		7	6	1-47	19	1.2	14,827	3.68	546	26	37		-279	+.04	-5	-13		
10-13-66 1381027 4174159 5-73					22		15,722	3.60	566									
1507762 SCHREIBERS AMITY ALSTAR ZEKE..*		2	14	2-16,21	16	1.6	17,840	3.48	620	0	24		+493	-.07	+7	+21		
08-11-66 1251857 5774620 1-73					64		15,979	3.76	601									
1507798 MYSIDEALE FRITZ ORMSBY.....*		2	7	1-35	11	1.1	15,042	3.78	569	0	24		+354	+.02	+16	+24		
10-04-66 1373055 5726644 1-73					11		13,455	3.72	500									
1507818 ROCBY ROX ALVA FARGO.....		1	15	1-52	15	1.4	14,523	3.65	530	13	22		-148	+.03	-1	-5		
07-17-66 1316112 5513456 5-73					23		15,299	3.54	542									
1507820 ROCBY TOPMAN JOE FLEET.....		1	16	1-52	16	1.0	14,731	3.90	574	25	20		-275	+.05	-3	-11		
10-24-66 1438622 5513457 5-73					34		16,307	3.71	605									
1507822 REEDACRES PAT PAUL.....		1	26	1-21	26	1.8	14,359	3.30	474	19	25		+184	-.03	+2	+7		
01-10-65 1291498 4970501 5-73					30		13,539	3.40	461									
1507826 ELEVATION VEEDICTION BURKE....	35-21	25	1	4-35,41,	26	1.3	14,227	3.62	515	25	59		-130	-.07	-15	-16		
03-28-66 1271810 4166528 5-73				42,47	17		14,457	3.76	544									
1507827 ELEVATION PACLAMAR LOCHINVAR..*	31-02	29	2	6-31,43,	44	1.0	14,517	3.58	519	20	65		-250	-.04	-15	-20		
10-10-66 1378594 4976977 5-73				48,56,58	22		14,963	3.66	547									
1507830 BROWNSON CRISSCROSS ROYAL.....		1	15	1-34	15	1.5	15,014	3.41	512	0	22		+163	-.01	+4	+8		
07-04-66 1454419 5968935 5-73					5		14,269	3.45	492									
1507842 KEYSTONE REFLECTION LANCER....*		6	6	1-23	14	1.0	16,636	3.82	636	7	29		+194	+.04	+13	+17		
12-16-66 1459996 5681430 5-73					15		16,129	3.71	599									
1507841 KEYSTONE PRINCE CRUSADER.....*		3	8	2-23,51	11	1.2	14,324	3.58	513	55	23		+43	-.04	-4	-2		
09-28-66 1315612 5306552 1-73					18		14,106	3.81	538									
1507858 MATHIS IVANHOE.....		5	7	2-57,58	15	1.1	14,974	2.95	441	14	29		+14	-.04	-5	-4		
11-01-66 1436081 5300551 5-73					84		14,987	3.04	455									
1507881 PALM-SKY ORMSBY MODEL.....*		7	9	1-34	24	1.5	14,131	3.34	472	37	39		-489	-.07	-27	-37		
12-14-64 1216668 4849455 5-73					14		15,516	3.53	547									
1507983 CARNATION MILLION HEIR.....*	93-19	117	3	26-21,35,	180	1.1	15,341	3.59	551	16	88		-329	-.04	-18	-25		
06-27-66 1189870 4519246 5-73				41,42,91	23		15,865	3.65	579									
1507986 HEINOLOS MARQUIS OOT ALBERT...*		4	5	2-32,43	10	1.1	16,398	3.46	567	10	24		-180	-.02	-9	-13		
11-22-66 1459996 5389016 5-73					13		17,450	3.55	619									
1507991 BOLO-VENTURE ERIC HARRY.....*		1	10	1-13	10	1.3	15,772	3.56	561	0	19		+205	-.01	+6	+11		
03-04-66 1273756 5103346 5-73					29		14,733	3.61	532									
1507994 CONEWAGO MASTER IVANHOE-TWIN..*		4	6	1-23	20	1.3	14,792	4.05	599	37	39		-405	+.15	+6	-7		
07-08-66 1366229 5427339 5-73					20		15,997	3.69	591									
1507995 CONEWAGO MISTER IVANHOE-TWIN..*		2	13	1-93	20	1.2	15,808	3.69	583	0	28		+187	+.02	+10	+14		
07-08-66 1366229 5427339 5-73					18		15,233	3.62	551									
1508003 RAG APPLE CARNATION AUTOCRAT..*		1	12	1-51	12	1.8	12,760	3.41	435	**	21		-269	-.02	-13	-19		
12-12-59 939765 6676238 5-73					3		13,979	3.57	499									
1508013 BURNSWAY PABST MANOATE.....		1	15	1-42	15	1.6	15,480	3.85	596	29	23		-16	+.07	+9	+7		
01-02-66 1459626 5462235 5-73					17		15,686	3.58	561									
1508014 BER-BOB KING.....		1	14	1-23	14	1.7	18,674	3.71	692	31	23		+489	-.02	+15	+27		
01-09-65 1347940 5639749 5-73					6		16,754	3.81	638									
1508053 CARNS ASTRO FLASH.....*		2	7	1-35	11	1.6	15,519	3.72	578	11	26		-257	+.01	-8	-14		
03-08-66 1458744 5230522 5-73					14		16,728	3.73	624									
1508060 EL-LOW ROSARON SEGIS.....*		4	10	1-41	23	1.1	16,897	3.18	538	26	34		+297	-.15	-11	0		
10-18-66 1419722 4547694 5-73					11		16,197	3.58	580									
1508064 EL-LOW TEXAL ANTHONY.....		1	11	1-41	11	1.0	13,356	3.78	505	9	18		-253	+.02	-7	-13		
11-25-66 1458034 5745776 1-73					2		14,790	3.75	554									
1508069 PRINCE BRIGEEN ALERT.....*	35-05	13	2	3-33,35,	19	1.0	16,888	4.09	691	11	45		+225	+.18	+34	+35		
11-17-66 010259668 6509056 5-73				42	18		16,634	3.77	626									
1508106 CREEKWAY KINGPIN SPARKIE.....*		5	3	3-22,23,	10	1.3	15,248	3.74	571	11	29		-9	+.02	+3	+2		
12-22-66 1347940 5911159 5-73				51	16		15,381	3.69	567									

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HO	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS REC/DAU HM/DAU	HEROMATE	MILK	% FAT	FAT	% IST INC	% REPT	PREDICTED DIFFERENCES MILK	% FAT	$$
1508112 N-E-D CURTISS CANOY WHIRLWIND.		2	13	1-73	15	1.0	14,506	3.22	467	21	21	+46	-.03	-3 -1
07-20-65 1221226 5819754 1-73					18		14,275	3.38	483					
1508113 N-E-D SMOKY JOE WHIRLWIND.....		1	15	1-73	15	1.5	14,450	3.26	471	38	22	+54	-.02	-1 +1
07-20-65 1221226 5335068 5-73					28		14,187	3.36	476					
1508125 CLOVERTOP SUNSHINE ROYALTY....*	23-13	7	8	4-21,23,	19	1.5	15,237	3.81	581	5	35	-147	.00	-6 -9
07-19-66 1406271 5701222 5-73				51,52	40		15,799	3.86	610					
1508126 CLOVERTOP SUNSHINE.....*		1	14	1-51	14	1.2	14,531	3.84	558	31	20	-111	+.03	0 -3
08-19-66 1406271 5223935 5-73					33		15,154	3.72	563					
1508137 LINDBORG RAMBLER PREMIER.....*		1	11	1-41	11	1.6	13,917	3.45	480	22	21	-58	-.01	-3 -4
10-08-65 1388747 4969553 1-73					20		14,176	3.51	498					
1508145 J-TAYLOR PIONEER JIM.....*		2	7	1-63	10	1.0	18,092	3.30	597	0	21	+303	-.02	+8 +16
11-04-66 1292880 5334506 5-73					32		16,917	3.33	564					
1508153 FILLMORE SNOW DESIGN.....*		2	7	1-21	13	1.6	14,475	3.77	545	9	30	-247	+.06	-1 -8
08-31-66 1292880 4966842 5-73					38		13,415	3.61	557					
1508156 DISTINCTION SIR EMPEROR.....		1	11	1-35	11	1.0	16,897	3.57	604	18	18	+16	.00	0 0
12-10-66 1459232 4457763 1-73					15		17,076	3.61	616					
1508168 HARTSBROOK ABS IDEAL.....	35-75	27	1	11-21,35,	29	1.2	16,583	3.44	571	11	60	+406	-.10	0 +12
06-16-66 1313415 5265812 1-73				41,55,93	32		16,075	3.58	576					
1508210 FAIR-HILL ELEVATOR.....	23-13	64	2	4-23,51,	95	1.3	15,053	3.48	524	12	82	+338	-.16	-11 +1
07-12-66 1271810 5187722 5-73				52,54	38		14,665	3.69	541					
1508246 ZION-MEADOWS ADMIRAL.....*		4	14	2-51,52	21	1.2	16,141	3.41	550	14	28	+249	-.07	-2 +6
08-23-66 1237057 5897529 5-73					35		15,345	3.70	567					
1508263 BRAEBURN POSCH VICTOR ILEX....*		1	14	1-21	14	1.6	14,655	3.65	535	8	22	+98	.00	+3 +5
07-24-65 1213164 4585700 5-73					70		14,187	3.68	522					
1508265 KETCH-KREST FOND PATTERN.....*		2	6	1-21	10	1.1	16,162	3.76	607	0	23	-13	+.04	+5 +4
09-12-66 1243697 5340205 5-73					22		16,424	3.62	595					
1508268 YORK-FARMS VISTA GOVERNOR.....*		2	7	2-82,91	13	1.5	14,481	3.55	514	18	28	-85	.00	-3 -5
09-11-66 1319055 4273754 5-73					32		14,828	3.57	530					
1508273 KUKELHAN JRMSBY SYMBOL-TWIN...		1	12	1-32	12	1.2	15,385	3.93	605	8	19	-29	+.05	+6 +4
07-17-66 1352410 4212677 5-73					7		15,665	3.71	581					
1508281 IDEALACRES MAPLEBEND CRESCENT.*		1	13	1-51	13	1.3	14,200	3.61	512	15	21	-18	.00	0 -1
08-09-66 1316533 4423170 5-73					18		14,284	3.59	513					
1508291 BARNEY BLACK BEAUTY.....*		1	20	1-42	20	1.5	13,175	4.36	574	5	23	-282	+.11	+6 -4
11-23-65 1242338 5574978 5-73					21		14,394	3.82	550					
1508293 LAWN-GROVE ALSTAR PILOT.....	35-75	26	1	10-21,23,	29	1.0	16,759	3.85	646	0	59	+486	+.16	+42 +49
11-26-55 1251857 4380041 5-73				35,41,93	78		16,132	3.60	580					
1508305 LOUDOUN FOBES SUPREME.....		1	13	1-52	13	1.0	9,954	4.02	400	0	19	-478	+.02	-15 -27
05-07-66 1449745 5613976 5-73					5		12,260	3.90	478					
1508307 PLAIN-D WALKER.....		2	25	1-48	27	1.2	13,496	3.53	476	24	24	-410	-.02	-18 -27
10-12-65 1433288 5783079 1-73					6		15,335	3.65	559					
1508308 LIME-HOLLOW B B FLECK.....	35-75	22	1	12-21,34,	27	1.0	16,453	3.61	594	4	56	+66	+.02	+5 +6
12-09-66 1122127 5305930 5-73				35,57,93	49		16,551	3.58	593					
1508312 W-A-F KENNYDALE ADJUDICATOR K.		1	15	1-52	15	1.5	15,711	3.09	485	13	22	+20	-.06	-8 -6
04-24-66 1442837 4832963 5-73					19		15,758	3.34	526					
1508319 CARLBERG FARM DUKE RAY.....*		3	5	1-21	10	1.2	16,320	3.38	551	0	26	+122	-.03	0 +4
08-09-66 1288610 5287908 5-73					28		16,007	3.49	559					
1508335 SUNKIST M-D-W VALE JOE P.....*		2	22	2-41,43	24	1.2	13,123	3.95	518	9	24	-290	+.05	-3 -11
04-12-66 1452218 4892222 5-73					11		14,339	3.73	535					
1508338 NOR-LENE POND HOPE ED.....		2	19	2-32,33	21	1.8	12,658	3.86	488	0	27	-94	+.02	-1 -4
09-19-65 1243697 5953995 5-73					34		12,862	3.83	493					
1508339 NOR-LENE ALSTAR PILOT.....*	35-75	3	23	2-31,32	28	1.6	20,836	4.05	843	0	28	+969	+.15	+58 +77
05-18-66 1251857 5549235 5-73					22		17,760	3.68	653					
1508349 BEN ASHDOWN TEXAL BURKE.....*		9	1	3-41,45,	10	1.2	13,213	3.87	512	33	34	-325	+.09	+1 -9
09-18-65 1333705 5857780 1-73				46	11		14,145	3.60	509					
1508358 DAN-VER DUKE MASTER.....	35-75	23	1	8-23,35,	27	1.2	14,970	3.57	535	33	58	-516	+.02	-16 -29
05-24-66 1288610 5002235 5-73				41,55,93	67		16,023	3.56	570					
1508366 GREENHOE-ACRES C R F TRIUMPH..		1	10	1-34	10	1.0	17,665	3.55	634	40	18	+90	-.02	+1 +4
06-18-66 1463169 5078477 5-73					10		17,688	3.62	641					
1508381 HEWFIELDS LEAND HARBOR MILES..		1	10	1-34	10	1.7	13,037	3.53	460	0	21	-177	+.04	-1 -6
01-25-66 1458917 5954846 5-73					7		13,844	3.37	466					
1508424 FAIRFIELD-VA KEYSTONE ORMSBY..		4	12	2-52,54	19	1.4	12,696	3.47	440	29	29	-826	+.05	-23 -44
02-25-65 1291028 4429593 5-73					6		15,699	3.34	525					
1508460 TRAILBEND PERFECTION ROB PERKY	21-10	54	1	5-11,12,	56	1.4	16,156	3.53	570	24	76	+451	-.05	+9 +21
09-04-66 1307195 5817678 5-73				13,16,21	30		15,705	3.58	562					
1508468 TARA-HILLS SKYLINER.....*		7	15	4-16,21,	25	1.4	13,635	4.09	558	13	32	-345	+.10	+1 -10
09-26-66 010241954 5808282 5-73				34,42	26		14,751	3.79	559					
1508475 TARA-HILLS MAJESTIC.....*	33-03	3	20	3-12,13,	24	1.2	18,919	3.47	657	8	25	+519	-.05	+11 +25
10-12-66 1457256 5352516 5-73				16	20		17,095	3.65	624					
1508487 VERHOEF ANNE MAY EMPEROR.....		1	12	1-42	12	1.1	13,039	3.52	458	0	19	+55	-.01	0 +2
12-04-66 1472526 5895819 5-73					8		12,531	3.58	449					
1508491 HY-SEEN PRINCE CHARMER.....*		2	9	1-42	11	1.1	14,279	3.27	467	0	21	+161	-.07	-4 +2
05-03-66 1357743 4790939 1-73					16		13,393	3.63	486					
1508493 SIR FOREST HILL PIONEER.....		1	11	1-52	11	1.4	13,472	3.53	475	18	20	-48	+.01	-1 -2
08-15-66 1292880 4832296 5-73					34		13,648	3.52	480					
1508508 BAJGO-VALLEY FLASH-TWIN.....*		3	8	1-32	15	1.6	15,234	3.84	585	0	31	+103	+.02	+7 +9
08-25-66 1471731 4490901 1-73					11		14,958	3.78	566					
1508534 DEMPSEY REVEILLE.....*		1	24	1-35	24	1.4	13,932	3.51	489	0	24	+105	-.03	-1 +2
06-08-66 010249530 6195366 5-73					26		13,387	3.69	494					
1508556 VIJON OEAN INKA.....	35-75	23	2	14-21,35,	31	1.0	15,633	3.67	574	13	59	+191	+.04	+13 +16
10-28-66 1085978 4698546 5-73				41,42,93	54		15,410	3.61	556					
1508569 KANAWAKA LUCKY TRIUNE.....*	23-09	10	7	1-48	23	1.4	17,100	3.60	616	6	41	+951	.00	+34 +57
01-05-66 1234506 5928267 5-73					19		14,817	3.61	535					
1508572 MAR-RIOGE INGA MODEST.....*		5	7	1-48	16	1.9	14,192	3.70	525	25	36	-234	+.05	-2 -9
06-03-65 1261357 5142490 5-73					9		14,905	3.60	536					

REGISTRATION NUMBER	NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS	REC/DAU	MILK HM/DAU	% HERDMATE	MILK	%	FAT	1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1508585	KNOLLTOP FAMOUS MARK.....		1	21	1-34	21	1.0	13,429	3.46	464	5	21	+66	-.02	0	+2
12-28-65	1330987	5969861 9-72				5		12,972	3.55	461						
1508601	MINHOME MAPLE VICTORY.....		1	12	1-41	12	1.1	13,991	3.73	522	8	19	-109	+.02	-1	-4
C9-12-66	1309948	6G7G956 1-73				22		14,588	3.67	536						
1508625	ELLSCARL NEPTUNE GALLANT DUKE.*		1	15	1-35	15	1.3	12,087	3.89	470	11	21	-427	+.03	-11	-22
10-23-66	1329588	5472113 5-73				21		14,097	3.73	526						
1508636	THEMELAN SKYHAWK JUSTICE.....*		1	29	1-48	29	1.7	13,593	3.05	414	14	25	-238	.00	-8	-14
C1-24-55	1289374	4389843 5-73				76		14,553	3.05	444						
1508643	WARDIN TEXAL WINTER WAYNE.....		1	19	1-34	19	1.1	13,558	3.72	504	25	21	+130	+.02	+8	+10
11-12-66	0102548C4	5343860 5-73				16		12,776	3.61	461						
1508685	COCHRAN SUNSHINE.....*	21-10	223	2	12-11,13, 14,16,21	295	1.0	16,562	3.46	573	17	93	+857	-.12	+12	+36
C8-15-56	1436271	5771939 5-73				25		15,780	3.58	565						
1508696	SIR LIBROC SKYWAY OF YONEO....*		1	13	1-32	13	1.4	16,929	3.36	569	8	21	+93	-.02	0	+3
11-30-56	1396885	4925100 5-73				45		16,718	3.43	574						
1508730	MIL-MOR FOND BENEDICT.....		1	12	1-48	12	1.0	12,543	3.53	443	0	19	-66	+.01	-1	-3
10-05-56	1243697	5640027 1-73				15		12,736	3.52	448						
1508737	ROLINDA JO HISTORIAN CHERRY...		1	35	1-93	35	1.1	13,744	3.62	498	18	23	-426	+.03	-11	-22
12-30-55	1374023	4448577 5-73				114		15,743	3.53	556						
1508753	LUMSDEN RANGO.....*		3	5	1-13	16	1.5	16,177	3.47	562	11	28	+194	-.01	+5	+10
C7-24-66	1292880	5433005 1-73				14		15,591	3.50	545						
1508756	CRESCENT-BEAUTY SENSATION.....*		4	4	1-32	12	1.3	13,765	3.84	529	0	31	-356	+.02	-10	-19
C4-11-56	1452497	5466414 5-73				23		14,961	3.81	570						
1508762	CRESCENT-BEAUTY PREMIER.....*		5	19	3-21,35, 93	28	1.3	18,538	3.44	638	19	30	+325	-.08	0	+10
C9-04-66	1080108	5256049 5-73				26		17,783	3.67	652						
1508782	MURDO MARQUIS CREST MIKE.....*		1	21	1-21	21	1.5	17,314	3.51	608	10	24	+153	.00	+5	+9
11-24-65	1459996	4442809 5-73				81		16,914	3.51	594						
1508836	FINEVIEW GRADUATE JOE.....*		1	23	1-21	23	1.3	13,861	3.41	473	0	23	-10	-.01	-2	-2
C8-05-55	1368763	5694000 5-73				20		13,853	3.49	484						
1508874	WAYHAUSON PACLAMAR SEGIS.....*		4	11	2-35,63	19	1.2	16,659	3.58	597	22	29	+202	-.01	+6	+11
C9-12-66	1458744	5941214 5-73				8		16,141	3.61	583						
1508926	CIN-TA-KEL PIONEER WHITY.....		2	8	1-74	13	1.3	15,124	3.21	486	54	26	-244	.00	-9	-15
C7-27-56	1292880	5745189 5-73				22		16,268	3.23	526						
1508952	STERK PRIDE.....	35-75	5	15	1-93	35	1.4	20,152	3.43	691	3	39	+619	-.06	+14	+30
C8-31-65	1315612	5863040 5-73				179		19,034	3.52	670						
1508965	NE-SHO HI HOPE QUEEN.....*		1	25	1-43	25	1.4	16,016	3.18	510	33	23	+60	-.04	-3	-1
C8-23-56	1436417	5953504 5-73				3		15,912	3.31	527						
1508978	SPY-ROCK HECTOR GRANDIER.....	35-75	25	1	9-23,35, 41,55,93	31	1.6	17,578	3.47	610	13	60	+495	-.07	+7	+21
C1-01-67	1277619	5624808 5-73				73		17,010	3.57	608						
1509026	S & W KING BESSIE.....		4	21	3-32,55, 74	27	1.0	16,697	3.72	398	7	25	-498	+.02	-15	-27
09-08-66	1431748	4000673 1-73				65		12,486	3.64	454						
1509038	EHRS RAG APPLE ABE.....		2	7	1-47	13	1.2	15,147	3.76	569	0	26	-329	+.04	-6	-15
C5-29-65	1454165	5707318 5-73				10		16,620	3.62	602						
1509045	HI-FI-FARM PIONEER STAR.....*		3	7	1-21	12	1.8	17,867	3.32	593	20	28	+859	-.10	+15	+38
C1-13-55	1292880	5026434 5-73				16		14,818	3.65	541						
1509101	BAILEY-TERRA-NOVA CONNIE SAM..		1	11	1-34	11	1.0	16,411	3.84	631	9	18	+154	+.04	+11	+14
11-23-66	1301486	4395710 9-72				25		15,697	3.67	576						
1509150	BLACK-OAK MARQUIS LITTLE JOE..*		2	9	1-42	11	1.3	15,397	3.51	540	36	21	-79	+.01	-1	-3
C7-23-66	1459996	5558790 5-73				9		15,926	3.47	553						
1509151	NICOLK IDEALIST.....*		3	13	1-21	24	1.3	14,753	3.66	540	21	32	-418	-.01	-17	-27
C7-12-56	1333723	4981428 5-73				26		16,260	3.71	604						
1509155	STERK OUDE.....*		3	14	1-93	18	1.2	18,444	3.54	652	22	24	+94	.00	+4	+6
10-16-65	1357750	5212923 5-73				102		18,466	3.51	648						
1509181	ECKELDALE CHIEF.....*		1	14	1-21	14	1.4	15,314	3.74	573	14	22	+70	+.03	+7	+8
11-15-56	1397517	4582759 5-73				30		15,056	3.61	544						
1509193	STORM SKOKIE PANCHO.....*		1	16	1-74	16	1.0	15,301	3.38	517	6	20	+156	-.01	+4	+8
12-18-56	1315498	5325075 9-72				55		14,533	3.39	493						
1509203	BETH-ALLEN IRONMAN OLLIE.....*		5	7	1-23	21	1.3	16,296	3.33	543	14	38	+352	-.13	-6	+6
11-18-55	1470757	4074325 5-73				30		15,470	3.65	565						
1509260	HOPPERS TALOGA MAJESTY.....*		6	4	2-63,65	12	1.0	13,615	3.67	499	0	30	-333	+.04	-7	-16
10-24-55	1471884	5356362 5-73				29		14,759	3.56	525						
1509279	FLO-AN PRINCE CHARMING.....*		2	13	1-31	15	1.0	16,623	3.69	614	27	21	+287	-.03	+6	+14
12-06-56	1357743	5143617 5-73				12		15,369	3.86	593						
1509321	REIMERIDGE ROYAL LIZA IVANHOE.*		13	2	5-11,12, 13,15,21	22	1.4	14,599	4.01	585	15	51	-405	+.15	+7	-7
12-09-56	1189870	5111024 5-73				28		15,504	3.73	578						
1509334	OLO-LYODANE BARON INKA GOSHEN.*		4	17	1-61	32	1.7	15,339	3.51	539	19	37	+27	+.01	+3	+3
02-11-66	1298430	5415290 5-73				36		15,364	3.46	532						
1509403	RUANN BOND JACK POT.....		3	6	1-93	14	1.8	19,842	3.46	687	17	32	+352	-.05	+6	+16
02-18-65	1420015	4977315 5-73				122		19,238	3.56	684						
1509405	RUANN GALLANT LEGEND.....		4	11	1-93	18	1.7	19,302	3.57	689	12	31	+20	+.02	+3	+3
11-10-55	1455386	4648587 5-73				123		19,775	3.52	697						
1509436	HI-DALE IVANHOE ADMIRATION....		3	9	1-35	13	1.0	15,722	3.58	563	8	23	+65	-.04	-4	-1
11-28-66	1391447	6094640 5-73				17		15,548	3.82	594						
1509460	LYNHOLM REUBEN STAR.....*		2	14	1-21	16	1.3	17,282	3.73	644	20	23	+299	+.03	+15	+21
06-24-55	1231857	4532941 5-73				27		16,148	3.62	584						
1509472	ALTURA LEON MAJORITY.....		1	19	1-41	19	1.3	13,781	3.75	517	16	22	-17	-.01	-2	-2
10-13-55	1383004	4846866 5-73				40		13,801	3.85	532						
1509479	ALLIS-ACRES NAPOLEON MARQUIS..*		2	7	1-14	10	1.0	15,112	3.75	566	0	21	+78	.00	+3	+5
08-17-56	1459996	5759839 1-73				15		14,781	3.76	556						
1509491	MINI-CO STEPHANIE DESIGNER....		3	4	1-82	11	1.3	14,492	3.17	460	0	30	+307	-.08	0	+9
10-06-55	1360884	5365936 5-73				4		13,366	3.38	452						
1509496	RA-MAX PRIDE DESIGN.....*		4	4	2-33,35	15	1.2	17,856	3.49	623	14	35	+844	-.08	+18	+40
11-04-66	1455678	3726341 5-73				21		15,553	3.72	578						
1509508	BURNSWAY OLIVER LEADER PABST..*		1	10	1-47	10	1.3	13,399	3.68	493	0	19	-59	+.03	+2	0
C8-12-66	1459626	5147609 5-73				14		13,637	3.52	480						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS HM/DAU	REC/DAU HEROMATE	MILK	%	FAT	%	IST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1509504 PARKMONT MARQUIS TANNY.....*		2	13	1-23	15	1.2	16,165	3.66	591	20	22		+31	+.03	+6	+6
01-10-67 1459996 5461505 5-73					28		16,207	3.52	571							
1509548 REYNOLAND COCKNEY PRINCE.....	21-10	55	1	5-11,13,	59	1.3	16,408	3.64	597	10	76		+904	+.03	+37	+58
10-28-66 1070036 5261990 5-73				14,16,21	28		15,309	3.61	552							
1509557 LARRYDALE REFLECTION PREMIUM..*		1	10	1-82	10	1.3	15,346	3.49	536	30	19		-85	-.03	-8	-9
C4-26-66 1459996 5401713 1-73					30		15,951	3.72	593							
1509561 POPOSIA GRANDMASTER PAL.....*		3	10	2-83,84	14	1.4	15,972	3.49	557	8	25		+154	.00	+6	+10
11-17-65 1277619 5096506 5-73					17		15,457	3.47	536							
1509575 CLARKHOME REBEL MASTER.....*		2	14	1-93	18	1.6	17,395	3.39	589	0	27		+203	-.02	+4	+9
07-16-65 1340562 4257608 5-73					84		16,882	3.45	582							
1509595 FAIRWOOD R PRIDE COMET.....*		1	11	1-23	11	1.6	13,859	3.85	534	9	21		-167	-.01	-7	-11
08-15-65 1438408 5764548 5-73					36		14,695	3.95	580							
1509612 CARNATION NOBLE RULER.....	93-19	87	2	16-23,31,	126	1.0	14,529	3.70	538	23	85		-289	+.02	-8	-15
07-18-66 1378594 3832033 5-73				35,42,55	19		14,924	3.70	552							
1509630 LU-PA CHARMER DREAMIE.....	35-75	22	1	12-35,41,	24	1.0	15,507	3.53	548	13	54		-277	-.06	-19	-24
10-29-66 1357743 4104653 5-73				55,91,93	37		16,202	3.65	592							
1509636 PIETJE BRJWNDALE REFLECTION...*	35-05	29	3	6-33,35,	48	1.3	13,705	3.73	511	15	68		-786	+.02	-25	-44
04-09-66 010288062 011429102 5-73				41,42,65	24		14,915	3.71	553							
1509637 ACE ROYBROOK RONSON.....*	35-05	36	3	5-33,35,	60	1.3	15,711	3.67	576	12	73		+463	-.02	+13	+25
02-14-66 010281397 011231169 5-73				41,42,65	19		15,150	3.72	563							
1509657 SILTEIN PERFECT CROSS.....	91-13	197	8	5-81,82,	597	1.2	15,143	3.79	574	14	94		-807	+.15	-9	-32
04-30-66 1378594 4121377 1-73				91,92,93	31		16,181	3.66	592							
1509682 MARLEN-DALE LAKEFIELD SKY KING*		1	10	1-61	10	1.0	14,745	3.45	508	0	18		+235	-.04	+3	+10
10-06-66 1243697 5723474 1-73					45		13,306	3.65	486							
1509685 SCHWANTZ REFLECTION FLO.....		1	15	1-41	15	1.1	12,631	3.39	428	8	20		-350	.00	-13	-21
05-01-66 1347065 5762378 5-73					6		14,387	3.43	493							
1509686 APP-VIEW MARQUIS COCHISE.....*		3	5	2-14,23	10	1.0	13,472	3.76	507	40	23		-709	+.03	-21	-39
12-23-66 1459996 6167725 9-72					30		16,769	3.64	611							
1509717 KIDD-FARMS LEADER HECTOR.....*		3	12	1-93	16	1.7	14,748	3.53	520	0	27		+43	.00	+1	+2
07-27-65 1326187 4985347 5-73					77		14,608	3.53	516							
1509747 PACK-HERO IMAGE VALIANT.....*		1	15	1-23	15	1.4	14,979	3.59	537	0	22		+40	-.02	-2	0
10-31-66 1459311 5412212 5-73					15		14,838	3.73	554							
1509762 STERK VALENTINE.....	35-75	14	1	8-21,35,	17	1.0	17,946	3.44	618	24	45		+104	-.08	-8	-3
11-09-66 1315612 5892793 5-73				55,91,93	59		18,082	3.61	652							
1509794 HARBORCREST MARILYN DANDY.....*	33-03	180	2	33-21,23,	256	1.1	15,140	3.61	546	19	92		-106	-.02	-6	-8
08-12-66 1492073 3894850 5-73				31,33,35	37		15,353	3.63	558							
1509821 BURLEY CHAMPION DUKE.....*		4	9	3-32,34,	14	1.2	18,809	3.70	696	8	26		+499	+.03	+22	+33
11-14-66 1353507 5891340 5-73				61	20		17,150	3.63	623							
1509846 WOODMAR GLENN.....*		1	22	1-50	22	1.4	15,815	3.47	548	0	23		+182	-.01	+5	+10
C7-31-66 1368109 5533409 1-73					43		15,100	3.50	529							
1509916 SPRUCE-UP PET CROSS-TWIN.....*		2	10	2-50,51	12	1.3	14,927	3.62	541	0	22		-108	+.03	0	-3
01-01-66 1378594 5113107 5-73					29		15,532	3.50	543							
1509923 S-P-S-M DUPLICATOR SEGIS.....*		1	11	1-34	11	1.0	10,300	3.68	379	18	18		-150	+.02	-2	-6
01-21-67 1391048 4929042 5-73					63		10,770	3.52	379							
1509933 WILCURT TEMPEST.....		1	10	1-52	10	1.7	16,081	3.72	599	22	21		+87	.00	+3	+5
03-06-66 1339464 5328125 1-73					35		15,807	3.74	591							
1509940 SHADYCREST POSCH STAR.....*		2	6	1-41	11	1.1	13,688	4.02	550	27	25		-399	+.04	-9	-19
08-30-66 1336320 5705506 5-73					23		15,409	3.89	599							
1509947 CEDAROALE BURKE IVAN.....*		2	16	2-13,21	18	1.1	15,002	3.46	519	0	22		-121	-.01	-6	-9
C7-29-66 1239242 5472889 5-73					41		15,683	3.54	555							
1509948 CEDAROALE SKYLARK.....	35-75	30	1	12-21,23,	37	1.2	15,671	3.71	582	20	65		-77	+.08	+8	+4
08-10-66 1239242 3668847 5-73				35,41,93	76		15,947	3.61	576							
1509949 CEDAROALE STYLEMASTER.....	35-75	19	2	10-31,35,	26	1.0	17,383	3.70	643	4	55		+633	+.10	+38	+50
09-19-66 1175471 5652657 5-73				55,91,93	54		16,437	3.53	580							
1509951 FLOWER CLIMAX SPLENOOR J.....*		1	17	1-47	17	1.0	12,435	3.87	481	19	20		-386	+.04	-9	-19
10-26-66 1406895 4852935 5-73					73		14,349	3.71	532							
1510033 BAR-VEE BUTTER BOY.....*		5	4	1-93	10	1.0	18,787	3.34	627	0	26		+163	-.03	+1	+6
12-30-66 1375151 5779431 5-73					26		18,569	3.42	635							
1510034 VIGO CHARMER CAPTAIN.....*		1	19	1-52	19	1.1	13,880	3.52	488	37	21		-89	-.03	-7	-8
05-18-65 1357743 4779175 5-73					47		14,304	3.68	526							
1510049 WAYNAN REFLECTION SEGIS.....		1	11	1-41	11	1.1	14,740	3.87	571	10	19		-101	+.05	+4	0
01-13-67 1459996 5980162 5-73					11		15,386	3.60	554							
1510050 VALLEY-HILL REGENT ROMANDALE..*		7	2	3-33,35,	10	1.1	13,473	3.67	494	33	32		-367	.00	-13	-22
02-15-66 1459996 5174829 5-73				74	15		14,656	3.70	542							
1510057 U-W BLAINE DESIGN LAD.....	35-75	30	1	9-32,35,	34	1.1	16,166	3.30	533	23	63		+180	-.21	-24	-14
07-31-66 1350190 4874051 5-73				41,91,93	79		16,045	3.61	579							
1510086 WIL-AM STAR TREK.....*		1	12	1-23	12	1.3	13,729	3.79	520	25	20		-79	+.01	-2	-4
C2-11-66 1347940 5659532 5-73					12		14,094	3.80	536							
1510098 DIAMOND-J V I P ZORRO.....		2	8	1-93	16	1.2	19,659	3.51	690	13	29		+199	+.01	+9	+13
C9-08-66 1478014 5874239 5-73					144		19,488	3.46	675							
1510106 GRAY-VIEW X MODEL.....*		1	14	1-35	14	1.2	12,179	3.79	462	57	20		-671	-.04	-29	-44
09-10-66 1378594 5776100 5-73					8		15,591	3.96	617							
1510131 OLIVER SCHOOLMASTER.....*		1	10	1-11	10	1.7	14,652	3.67	538	11	21		-96	+.02	-1	-4
10-25-65 1449478 5148273 5-73					14		15,199	3.61	549							
1510161 ELLENVALE MASTER PIEBE.....		1	13	1-41	13	1.2	16,259	3.52	573	31	20		+19	-.04	-5	-4
06-06-66 1435835 4723361 5-73					15		16,361	3.73	611							
1510178 WINSOR-ACRES CHARM DUKE.....	21-10	47	1	5-11,12,	54	1.4	16,413	3.76	617	12	74		+354	+.14	+33	+38
C9-21-66 1353507 5370221 5-73				13,16,21	36		16,107	3.59	578							
1510179 BAUGO-VALLEY VALIANT DAN.....*		6	2	2-21,32	10	1.4	15,021	3.58	538	20	32		+343	-.02	+9	+18
C4-11-66 1440514 5314114 1-73					13		13,895	3.66	508							
1510195 WILGERBIN SELECTOR.....*		1	20	1-87	20	1.5	17,218	3.37	581	15	23		+160	-.04	0	+5
12-25-65 1380550 5546753 5-73					26		16,765	3.54	594							
1510227 GOMA MARQUIS JAY.....*		2	27	2-34,61	29	1.3	15,289	3.80	581	21	25		-78	+.03	+2	-1
C7-14-66 1459996 5585174 5-73					10		15,738	3.68	579							

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HO	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS	REC/DAU HEROMATE	MILK	% FAT	MILK	% FAT	1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1510233 LOCHLAND R A HARTOG.....		1	10	1-41	10	1.0	12,301	3.89	479	30	18	-197	+.04	-1	-7
08-05-66 1402113 4543188 1-73					13		13,314	3.67	488						
1510235 BOTINA ZETTE HEADMASTER.....		1	10	1-14	10	1.0	15,095	3.66	552	0	18	-102	.00	-4	-6
08-08-66 1349029 5932458 9-72					28		15,818	3.73	590						
1510261 OAKBRANCH DIRECT MARQUIS OALE.*		3	12	1-23	16	1.1	13,594	3.52	479	25	24	-2	-.05	-7	-6
12-21-66 1459996 5868120 5-73					16		13,518	3.79	512						
1510273 STOCKEYHOLM CRISSCROSS JERICO.		3	7	1-32	10	1.5	15,917	3.26	519	0	24	+452	-.08	+5	+18
08-15-66 1378594 6075903 5-73					11		14,009	3.53	495						
1510299 J-O-DEL S MILLIE SUNSHINE.....*		2	9	1-48	12	1.0	15,338	2.89	444	0	22	-1	-.06	-8	-7
C4-15-66 1458744 5877669 5-73					72		15,455	3.12	482						
1510312 DAN-ERLY ALSTAR HAWK.....*		1	26	1-23	26	1.1	14,445	3.99	577	12	22	+36	+.06	+10	+9
12-22-66 1261857 5881108 5-73					27		14,274	3.73	532						
1510344 LORENZ ECHO PROFILE.....*		2	10	1-41	12	1.8	15,901	3.35	533	0	24	+230	-.05	+1	+8
10-31-66 1472092 5836382 5-73					9		15,011	3.54	531						
1510354 OUNACRES MARQUIS LINOY.....*		2	5	1-23	10	1.2	14,250	3.81	543	10	25	-11	+.01	+1	0
11-28-66 1459996 4284146 1-73					25		14,286	3.80	543						
1510387 LE-DEL ROYAL BOONMAKER.....*	35-21	6	11	1-73	25	1.1	17,161	3.59	616	0	34	+470	-.03	+13	+25
11-24-66 1450228 5494470 5-73					11		15,949	3.66	584						
1510402 JERGENS RAG APPLE SANOY.....*		5	8	1-41	22	1.2	16,397	3.45	565	11	36	+495	-.06	+9	+22
C3-09-66 1449841 6138866 5-73					14		15,089	3.59	542						
1510426 FOURNIERS MIGHTY MAE PROMIS...*		3	6	1-11	13	1.5	16,736	3.74	626	25	30	+97	.00	+4	+6
10-11-66 1454788 5496539 5-73					14		16,639	3.74	623						
1510446 COTTONWOOD-VALE BEAUTY CROSS..*		13	3	3-32,33,	20	1.1	14,410	3.82	551	53	43	-522	+.06	-11	-25
C9-24-66 1378594 4154928 5-73				35	16		15,751	3.72	586						
1510463 ROSEMERE SUNSHINE ORMSBY.....		1	10	1-31	10	1.0	16,303	3.47	565	10	18	+268	-.05	+3	+11
C7-23-66 1406271 5448063 5-73					2		14,833	3.70	549						
1510474 GLENAFTON SENATOR.....*		1	62	1-74	62	1.3	16,657	3.63	604	5	25	+199	+.04	+13	+17
10-09-65 010257240 011838828 5-73					136		16,039	3.46	555						
1510478 FLYNN-FIELD ROSAFE JESS-TWIN..*		1	10	1-47	10	1.1	13,598	3.65	496	0	18	-41	.00	-2	-3
12-06-65 1359626 5540493 9-72					31		13,767	3.70	509						
1510492 HILSON MOSE REECHO.....		1	10	1-23	10	1.4	13,137	3.36	441	20	20	-337	-.06	-20	-27
C5-26-66 1268294 4774720 5-73					5		14,915	3.71	554						
1510504 WESTSIDE MAXIMUM.....*		3	9	1-21	13	1.3	17,898	3.56	637	8	24	+613	-.01	+20	+35
11-24-66 1452096 6144718 5-73					30		15,475	3.59	556						
1510509 COYNE-FARMS FURY REFLECTION...*		3	7	1-21	12	1.1	18,424	3.50	645	0	25	+447	-.01	+15	+26
C7-25-66 1381027 5228224 5-73					52		16,845	3.50	589						
1510512 COYNE-FARMS GLARUS BOY.....	21-10	49	1	5-11,13,	52	1.4	15,595	3.69	575	13	74	+118	+.07	+15	+16
10-18-66 1282185 4996583 5-73				14,16,21	24		15,551	3.59	558						
1510515 DELLFIELD TREASURE FINNY.....		2	14	1-93	22	1.1	19,016	3.66	696	7	28	+299	+.04	+16	+22
C5-10-66 1357308 5439731 5-73					27		18,336	3.56	652						
1510558 VIR-CLAR DIAMOND FIVESTAR.....*		1	21	1-35	21	1.2	16,272	3.77	613	5	22	+166	+.04	+12	+15
C8-27-66 1452946 5014812 5-73					19		15,640	3.59	562						
1510571 REDCREST DELLA ALSTAR.....		13	2	5-41,42,	18	1.0	14,558	3.65	531	11	49	+120	-.01	+3	+6
10-01-66 1261857 5608597 5-73				45,47,55	22		14,305	3.67	525						
1510572 KRAWOOD PHARAOH.....*		2	8	1-23	10	1.4	15,251	3.41	520	10	22	+11	-.06	-8	-6
10-18-66 010275932 5906275 1-73					14		15,292	3.71	568						
1510586 OLMANSON KINGPIN ROBURKE.....	41-01	98	2	6-34,41,	122	1.1	15,287	3.64	556	10	86	+496	+.03	+22	+33
09-12-66 1347940 4518990 5-73				42,45,46	19		14,743	3.60	531						
1510616 ELDONON INKA OE KOL CHARMER...*		7	5	1-74	16	1.3	18,506	3.39	628	13	36	+663	-.02	+21	+37
09-28-66 1357743 5644041 5-73					63		16,911	3.41	576						
1510619 KASHOME IVANHOE BETSY LAST....*		1	10	1-41	10	1.2	16,543	3.54	586	10	19	+467	-.04	+11	+23
C8-06-66 1471171 3759000 5-73					25		13,995	3.75	525						
1510634 FUTURE-HOPE MINN RECOUNT.....*		4	12	1-35	25	1.2	16,554	3.75	620	13	34	+10	+.02	+3	+3
C8-05-66 1350414 5936753 5-73					20		16,761	3.71	622						
1510635 MTN-BREEZE ALSTAR ALAN.....	35-75	25	1	11-21,33,	30	1.0	19,220	3.70	711	7	59	+1,596	+.07	+69	+105
C9-04-66 1261857 5375216 5-73				35,52,93	65		16,730	3.60	602						
1510659 TIERNEY RECROSS.....*		3	27	2-51,52	31	1.1	14,234	3.77	537	3	25	+16	+.04	+6	+5
11-30-66 1378594 5188008 5-73					64		14,143	3.61	510						
1510684 HOWACRES PRESIDENT-TWIN.....*	21-10	153	2	7-11,12,	215	1.0	15,226	3.51	535	24	90	+16	-.08	-11	-9
11-30-66 1071565 4820039 1-73				13,14,21	24		15,299	3.60	551						
1510685 HOWACRES VICE PRESIDENT-TWIN..	21-10	39	1	7-11,13,	42	1.1	15,796	3.55	560	23	68	-84	+.01	-2	-4
11-30-66 1071565 4820039 5-73				14,15,21	26		16,091	3.54	570						
1510732 VAN-FEL ORMSBY BURKE ADAM.....*		3	7	1-43	10	1.2	15,737	3.41	536	20	23	+84	-.04	-3	0
C9-30-66 1418927 5777019 5-73					14		15,441	3.63	560						
1510753 MOWRY-K PRINCE PILOT.....		1	17	1-23	17	1.1	15,499	3.39	525	6	21	+526	-.08	+7	+22
11-02-66 1399283 4330190 5-73					4		12,811	3.79	486						
1510756 SCOTTLYNN HIGHCROFT JO.....*		1	14	1-41	14	1.1	13,494	3.84	518	8	20	-104	+.04	+2	-2
C8-30-66 1440068 5556460 5-73					8		13,974	3.64	509						
1510774 BENMIN REFLECTION MARQUIS.....		1	15	1-41	15	1.2	11,338	3.37	382	27	21	-199	-.01	-8	-13
07-17-66 1459996 6005772 5-73					23		12,073	3.43	414						
1510776 RINDE PAMY MARQUIS.....*		1	10	1-41	10	1.2	11,103	3.33	370	0	19	-27	-.03	-5	-5
C9-26-66 1459996 5835675 5-73					9		10,907	3.56	388						
1510859 PLESVAL BURKE SUPREME.....		1	12	1-55	12	1.2	14,568	3.69	538	8	19	+23	+.05	+8	+7
10-28-66 1316112 5019998 5-73					12		14,455	3.42	494						
1510860 TARHEEL WHIRLWIND MARK.....*		2	7	1-55	11	1.1	16,436	3.38	555	11	24	+66	+.01	+4	+5
10-23-66 1221226 5682536 5-73					27		16,356	3.30	539						
1510867 TOP-O-TEX TIDY REWARD.....*		4	10	1-74	17	1.4	17,579	3.17	558	0	29	+648	-.06	+14	+31
C9-10-66 1271810 5631099 5-73					12		15,423	3.29	507						
1510871 OAKWOOD-DALE ADMIRAL OELLA....*		2	17	1-61	19	1.2	19,056	3.29	627	21	23	+23	-.05	-7	-5
C9-11-66 1237057 4132802 5-73					46		19,463	3.48	678						
1510909 MOORE-FARMS SKOKIE GLITTER....*	21-10	48	1	5-11,13,	56	1.5	15,161	3.59	544	13	76	-597	+.04	-16	-31
C9-24-66 1282185 5326745 5-73				14,16,21	29		16,124	3.55	572						
1510931 OAKVIEW BARON CONQUEROR.....		1	14	1-52	14	1.0	16,167	3.66	592	46	19	-183	-.02	-9	-13
C9-17-66 1308796 4904688 5-73					31		17,423	3.77	656						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS HM/DAU	REC/DAU HEROMATE	MILK	% FAT	FAT	1ST LACT INC	REPT %	PREDICTED DIFFERENCES MILK	% FAT	FAT $$
1510937 CHURCH-HILL MISTER MARLON.....		2	13	1-42	16	1.2	12,632	3.70	467	43	24	-334	+.05	-5 -14
05-27-66 1457738 5214617 5-73					16		13,993	3.51	491					
1510954 FURNACE-GROVE ADAM.....*		2	16	2-13,21	20	1.4	15,839	3.83	606	10	25	+100	-.01	+2 +5
02-21-65 1085978 4891051 1-73					13		15,561	3.91	608					
1510959 LAUXS CHOICE.....*		4	4	2-35,63	11	1.5	17,001	3.57	607	10	32	+192	-.01	+6 +11
10-22-66 1236789 4250628 5-73					17		16,616	3.59	596					
1510965 FAIR-HILL X SYMBOL.....*		5	11	2-51,52	18	1.2	14,911	3.72	555	22	28	-79	+.02	0 -2
08-10-66 1378594 5206799 5-73					62		15,288	3.69	564					
1511010 MCCREARY ETHEL STAR MAN.....*		1	11	1-23	11	1.7	16,516	3.68	607	0	22	-71	-.01	-4 -5
02-18-66 1410984 6296583 5-73					21		17,122	3.74	641					
1511014 SUNSET-LAGUNA PIONEER ROSS....		1	19	1-93	19	1.2	18,935	3.77	712	6	22	+35	+.04	+7 +7
09-14-66 1292880 4875753 5-73					85		19,228	3.62	697					
1511033 SWAN-VILLA COMRE EDWARD.....*		3	10	1-45	14	1.3	11,609	3.68	427	8	24	+45	.00	+1 +2
05-07-65 1242338 4882683 5-73					26		11,092	3.72	413					
1511079 WESTPORT KING ORABEE.....		2	14	1-93	20	1.2	15,898	3.42	543	12	27	-382	-.04	-20 -28
09-26-65 1337054 4977256 5-73					22		17,629	3.59	633					
1511084 SHETLARS ROYAL CANARY JOE....		1	15	1-73	15	1.1	15,185	3.50	531	0	20	+5	-.05	-7 -6
12-16-66 1457950 4722897 5-73					23		15,245	3.77	575					
1511090 FILCO BONHEUR MARQUIS.....*		10	1	4-35,41,	10	1.4	13,815	3.48	481	13	36	-201	-.04	-13 -17
10-27-66 1459996 5786576 5-73				46,47	18		14,373	3.61	519					
1511093 STRICKLER PIONEER JAKE SILVER.		1	11	1-48	11	1.3	14,418	3.43	494	18	20	+177	-.01	+5 +9
12-13-66 1292880 5397383 1-73					18		13,412	3.47	465					
1511114 WINCOWIS DAIRYLANDER.....*		4	5	1-35	12	1.3	17,347	3.70	642	0	29	+486	+.02	+20 +31
10-08-66 1243697 4055825 1-73					16		15,812	3.66	578					
1511117 BOI KINGPIN PABST AARON.....*		2	9	*-51	11	1.1	14,266	3.76	537	18	21	-31	+.03	+3 +2
12-14-66 1347940 4090626 5-73					23		14,425	3.61	521					
1511119 BOI COMET SKOKIE CECIL.....*		1	20	1-23	20	1.1	15,079	3.65	551	5	21	+333	-.01	+11 +19
11-05-66 1070036 5742860 5-73					49		13,403	3.72	498					
1511167 OUNGA-BROOK PABST WALKER-TWIN.	21-10	56	1	6-11,13,	59	1.3	16,265	3.50	570	19	76	+765	-.06	+18 +38
C3-14-66 975138 5626590 5-73				14,15,21	29		15,358	3.58	550					
1511228 CE-BUERG KIM SKYLINER.....		1	20	1-35	20	1.3	14,260	3.93	561	26	22	+4	+.03	+5 +4
C8-01-66 1301864 5876103 5-73					11		14,227	3.80	540					
1511280 CHAMBRIC CITATION LUCIEN.....*		4	16	4-23,35,	23	1.4	13,637	3.39	462	10	29	-289	.00	-11 -18
C4-23-66 1425137 5761835 5-73				48,73	7		14,679	3.42	502					
1511281 CHAMBRIC LEADER MARTIAN.....*	35-05	21	2	2-35,42	33	1.0	16,470	3.79	625	13	58	+221	+.03	+12 +17
08-14-66 1333969 3999526 5-73					20		16,279	3.77	614					
1511294 CRAMEADOWS ADMIRAL PRIDE.....*		3	7	1-21	10	1.3	16,140	3.44	556	11	23	+109	-.03	0 +3
C8-29-66 1237057 5525272 5-73					19		15,808	3.58	566					
1511301 STALEY AURORA.....*		1	10	1-35	10	1.0	13,061	3.88	507	20	18	-41	+.03	+3 +1
02-06-67 1459712 5700211 1-73					28		13,179	3.68	485					
1511320 HAYSSEN FOND CITATION-TWIN....*		14	3	3-21,23,	29	1.0	16,014	3.67	587	21	52	-474	+.02	-15 -27
12-10-66 1492073 5176630 5-73				34	32		17,214	3.65	628					
1511330 A-F SHARLIE CRISS X REPEAT....		1	10	1-33	10	1.1	13,547	3.94	534	10	18	-456	+.07	-6 -19
07-14-66 1453411 4594489 1-73					4		16,243	3.55	577					
1511335 PAR-BIL RITZY RUSTY DUKE.....		1	25	1-41	25	1.2	12,216	3.64	445	**	23	-97	-.02	-6 -8
02-19-65 1441525 5091286 5-73					6		12,449	3.78	470					
1511344 BATTIST ALSTAR DUKE.....		1	10	1-35	10	1.2	17,318	3.69	639	0	19	-163	+.01	-4 -8
11-11-66 1261857 5171947 5-73					25		18,620	3.66	682					
1511345 LENERA MAGNET MONARCH MARK....*		1	10	1-32	10	1.0	12,214	3.66	447	20	18	-154	+.04	0 -5
12-14-66 1485550 5864162 5-73					14		12,943	3.42	443					
1511364 ALBERTVILLE PRAIRIE COMMANDER.*		1	12	1-35	12	1.3	16,288	3.84	625	0	20	+50	+.03	+6 +6
04-09-65 1442477 4495094 1-73					18		16,224	3.72	604					
1511365 ALBERTVILLE PRAIRIE CHIEF.....		1	12	1-35	12	1.3	14,218	3.78	538	0	20	-60	+.02	0 -2
12-18-65 1442477 5841841 1-73					28		14,534	3.70	538					
1511382 ROCK-I SUNVAE P ADMIRAL BUCK..*		4	5	2-33,35	14	1.0	15,989	3.98	637	0	30	+233	-.01	+7 +13
09-02-66 1237057 4673354 5-73					16		15,298	4.09	625					
1511400 USP COLONEL PRIDE TEX.....		2	8	1-87	13	1.1	16,012	3.11	498	8	24	-28	-.02	-4 -4
10-22-66 1237057 5637487 5-73					36		16,326	3.19	520					
1511421 JOLIAM BURKE LYONS.....	35-75	26	1	9-21,34,	31	1.3	16,561	3.67	608	14	62	-27	+.06	+7 +5
08-18-66 1239242 4472814 5-73				35,41,93	46		16,853	3.60	606					
1511429 EL-LOW ROBARON PONTIAC CHERYL.*		1	13	1-41	13	1.5	13,737	3.78	519	15	22	-347	+.07	-3 -13
10-01-66 1419722 4379668 5-73					20		15,452	3.51	542					
1511430 HIGHER-VIEW BLACK ADVANCER....*		7	3	3-48,71,	13	1.2	14,134	3.62	511	0	36	-102	+.04	+2 -1
08-10-65 1302555 5717036 5-73				73	16		14,426	3.49	504					
1511449 MEI-RUB-BILL SUPREME BLAZE....		1	15	1-47	15	1.7	12,924	3.54	458	9	23	-211	-.01	-9 -14
07-17-65 1347065 5758185 1-73					9		13,786	3.62	499					
1511451 ATHLONE LAIRO.....*		7	16	6-23,34,	31	1.0	13,913	3.69	513	10	32	-117	+.02	-2 -5
02-01-67 1142734 5884720 5-73				35,57,74	317		14,265	3.67	523					
1511452 ATHLONE FOLLOW-ON.....*		4	8	3-34,42,	14	1.3	14,014	3.90	546	7	28	-76	+.07	+7 +3
02-04-67 1142734 4662465 5-73				43	397		14,275	3.65	521					
1511457 NOOKREST ENID REFLECTION.....		1	10	1-81	10	1.0	14,737	3.75	552	10	18	+8	+.03	+5 +4
11-29-66 1445718 5186632 1-73					21		14,728	3.55	523					
1511461 HE-CO PRINCE MAE JON TOM.....*		1	14	1-52	14	1.5	11,875	3.53	419	0	22	-309	-.02	-14 -21
12-09-66 1263152 4859369 5-73					26		13,174	3.66	482					
1511495 FILLMORE SENSATION PRIDE.....*		5	4	2-13,21	12	1.1	14,930	3.53	527	0	30	+74	-.02	0 +2
06-10-66 1237057 3922506 5-73					30		14,714	3.60	529					
1511498 LE-OEL AMOS C CHRISTOPHER.....		1	21	1-48	21	1.1	17,031	3.53	601	40	22	+251	-.03	+5 +12
10-25-66 1451149 5494462 5-73					13		16,026	3.65	585					
1511504 OWEN IDEAL LYONS.....*		2	14	1-31	16	1.5	15,998	3.52	563	0	24	+26	-.01	-1 0
05-13-66 1098656 5448670 5-73					57		16,056	3.61	579					
1511505 REFLECTION LONE-ACRES FOND....		1	26	1-41	26	1.7	9,752	3.82	373	19	25	-474	+.04	-12 -24
01-14-65 1243697 5817562 5-73					8		11,340	3.64	413					
1511560 WALLOOMSAC FURY HECTOR.....*		1	12	1-21	12	1.0	17,363	3.77	654	8	19	+210	-.02	+5 +10
10-31-66 1381027 5679838 5-73					27		16,441	3.87	637					

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS HM/DAU	REC/DAU HERDMATE	MILK	% MILK	FAT	% FAT	1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1511565 AIR-CREST IVANHOE.....*	35-03	24	2	4-33,35,	31	1.4	16,112	3.63	585	22	62	+308	-.05	+4	+13
C1-01-66 1169870 5388921 5-73				61,73	36		15,750	3.72	586						
1511578 S & S ZELDENRUST PONTICA REX..*		4	2D	1-32	26	1.4	12,038	3.68	443	38	27	-522	+.01	-17	-30
C3-15-65 1447885 5193865 1-73					3D		13,899	3.66	509						
1511590 VOSSLER-DALE IRIS GENE.....*		1	10	1-23	1D	1.1	15,508	3.68	571	11	18	+155	.00	+5	+9
12-02-56 1278644 4878406 1-73					15		14,684	3.74	549						
1511594 BURCREEK REFLECTION REGAL-TWIN*		3	7	1-47	10	1.0	13,492	3.82	516	4D	22	-125	-.01	-6	-9
12-20-66 1459996 5199657 5-73					63		14,042	3.94	553						
1511631 DALLAS TEXAL SUPREME.....*		1	11	1-21	11	1.2	12,252	3.6D	441	36	19	-349	+.03	-8	-17
12-22-56 DIC2564804 5836125 5-73					16		14,048	3.45	485						
1511710 RESEGEDALE SOVEREIGN ROELAND..*		4	16	1-21	21	1.7	14,45D	3.72	538	25	29	+114	+.03	+8	+1D
12-26-64 1296576 5473977 5-73					13		14,D21	3.64	51D						
1511740 MILLSTONE COVE SEGIS HIDEO....		1	12	1-21	12	1.0	14,861	3.32	494	17	19	+69	-.04	-3	0
1G-06-55 1285709 5547290 5-73					24		14,503	3.54	514						
1511741 SHANGHIGH IVANHOE KING.....*		1	1D	1-31	10	1.D	16,797	3.74	629	**	18	+129	+.04	+11	+13
C2-12-56 1418927 5826493 1-73					19		16,257	3.53	574						
1511743 VRIESLAND GRAY VIEW KING.....		1	12	1-35	12	1.1	14,164	4.24	601	D	19	-195	+.D6	+2	-4
10-01-66 1454458 5557988 5-73					18		15,283	3.93	6DD						
1511754 WHITE-HEIGHTS E HI HOPE NAT...*		3	18	2-32,33	23	1.5	11,883	3.27	388	13	28	-274	-.03	-14	-2C
C3-18-56 1331864 6079905 5-73					87		12,732	3.41	433						
1511789 FRIZZHOME ERIC MOSES.....*		3	12	2-12,13	16	1.5	15,763	3.53	557	19	26	+105	-.02	+1	+4
C8-24-65 1273756 5578302 5-73					17		15,467	3.6D	557						
1511794 HILLTOP-LANE NOEL.....		2	7	1-55	13	2.D	15,699	3.59	564	8	3D	+62	-.02	D	+2
C8-21-65 1315498 4851908 5-73					29		15,615	3.65	57D						
1511823 RIDGEWORTH CRISSCROSS VELVET..*		6	4	2-35,91	14	1.5	15,537	3.77	585	D	35	+26	+.01	+3	+3
1C-09-56 1378594 5456140 5-73					21		15,582	3.74	582						
1511827 AIRYMEAD CLOVERBROOK PABST....*		3	13	1-13	18	1.0	14,867	3.99	593	D	25	-19	+.07	+9	+7
C8-09-56 1315612 5765125 5-73					42		15,GD8	3.74	561						
1511847 EDMARAL SUNSET ADMIRAL.....	35-75	26	1	12-21,32,	31	1.D	15,165	3.71	563	23	6D	-660	+.06	-16	-33
C1-01-57 1237D57 5746587 5-73				35,41,93	65		16,481	3.63	599						
1511852 GLAOTIME EMETT CLYDE.....*		3	9	2-21,34	13	1.2	16,219	3.38	549	8	23	-36	-.03	-5	-5
C9-06-66 1394074 3956478 5-73					33		16,598	3.49	580						
1511880 L-W IVANHOE RA BUD.....*		5	1D	1-55	24	1.1	16,91D	3.5D	592	17	35	+403	-.06	+6	+17
12-19-56 1407362 4474376 5-73					34		15,936	3.65	581						
1511931 M-JAYBEE HISKE LEADER.....*		2	30	1-93	35	1.4	18,718	3.5D	655	26	28	+41	-.04	-5	-3
C8-29-65 1283309 4385968 5-73					132		19,G33	3.65	695						
1511935 SKOKIE ADMIRAL SATELLITE.....	91-13	19	2	4-81,91,	32	1.D	15,435	3.71	571	9	59	-367	+.D8	-2	-13
C2-04-67 1383311 4581461 5-73				92,93	35		16,217	3.59	583						
1511943 WILJON IDEAL BURKE FURY.....		2	8	1-43	1D	1.1	15,524	3.34	518	22	2D	+67	-.02	D	+2
02-27-66 1351027 4469821 5-73					11		15,276	3.39	518						
1511951 ROSNI ROYAL ROX.....		1	12	1-52	12	1.1	15,815	3.62	573	17	19	+164	+.01	+7	+11
C4-D8-55 1316112 49D4695 9-72					48		15,D13	3.58	538						
1511988 MILL-LANE RAG APPLE FOBES.....		6	8	1-87	22	1.2	15,377	3.46	532	17	37	-156	-.05	-13	-15
03-11-56 1357743 4533394 1-73					1D		15,962	3.60	575						
1511991 MEJERS SKYCROSS DEXTOR.....		1	19	1-41	19	1.2	11,292	3.55	401	47	22	-401	.00	-14	-24
10-29-65 1441148 5253451 5-73					1D		13,027	3.57	465						
1512025 HARRISBURG GAY IDEAL.....*	23-09	76	3	2-23,50	130	1.1	16,151	3.60	582	12	84	+967	-.07	+24	+49
C2-03-67 1300014 5037157 5-73					25		15,064	3.7D	557						
1512050 SEGO-LANE ELLA CHARMER.....*		1	21	1-87	21	1.1	14,976	3.55	532	11	22	+63	-.01	+1	+3
C2-14-66 1357743 4505148 1-73					18		14,721	3.59	529						
1512053 SUNNJULSON HOMESTEAD BARRON....*		1	14	1-35	14	1.2	13,357	3.29	44D	**	20	-271	-.06	-18	-23
07-31-66 1465841 5459882 5-73					1D		14,725	3.61	532						
1512057 CONEWAGO VENTURE.....		2	9	1-23	18	1.2	15,993	3.66	585	28	30	-234	-.07	-19	-23
C9-27-65 1378324 5669631 5-73					24		17,039	3.91	666						
1512065 NATZKE PERRY.....*		2	13	1-35	15	1.2	14,734	3.6D	531	7	22	-455	+.05	-9	-21
12-27-65 1356229 5956427 5-73					43		17,D46	3.43	584						
1512109 TREASURE-VIEW DUSTY CHARMER...		1	23	1-82	23	1.8	16,416	3.64	598	6	25	+177	-.01	+5	+9
06-21-56 1357743 5807442 5-73					118		15,867	3.69	586						
1512129 BEAN-PATCH ASTRONAUT REGGIE...		1	11	1-13	11	1.2	16,281	3.51	572	D	19	+185	.00	+7	+11
12-08-56 1458744 5323902 5-73					25		15,412	3.49	538						
1512131 GOLDEN-PRAIRIE MONOGRAM LARRY.*		1	16	1-34	16	1.4	15,080	3.76	567	14	22	+145	+.01	+6	+9
C6-25-56 1335767 5453203 5-73					28		14,42D	3.77	544						
1512132 FO-MA-TO-SA MARATHON DEACON...*		5	9	1-48	22	1.6	12,785	3.57	457	12	37	-213	+.03	-4	-10
C2-05-56 1454585 5971942 5-73					11		13,255	3.51	465						
1512156 BARNETTS-TURK NICHOLAS.....		1	13	1-31	13	1.2	13,872	3.52	488	8	20	+192	-.03	+2	+7
10-22-56 1459996 6215274 1-73					25		12,738	3.73	475						
1512160 PENOPE MADCAP BUTTER BOY.....*		1	12	1-21	12	1.D	13,273	3.47	460	5D	19	-326	+.01	-1D	-18
12-19-66 1375151 5655622 9-72					34		15,132	3.42	517						
1512174 FAIR-HILL X BLACK DIAMOND.....*		1	24	1-52	24	1.2	15,517	3.76	584	9	22	+64	+.03	+7	+8
C8-11-56 1378594 5187731 5-73					45		15,325	3.63	557						
1512180 PAUL-LYN SMOKY DENNIS.....		1	2D	1-48	20	2.0	13,277	3.67	487	5	25	+98	.0D	+4	+6
03-20-66 1282720 5871733 5-73					2		12,723	3.65	465						
1512194 LOCHLAND COMET IDEAL.....		1	16	1-41	16	1.4	13,858	3.47	481	D	22	-6G	-.01	-4	-5
C7-15-66 1478354 5113076 5-73					6		14,117	3.54	5D0						
1512195 LOCHLAND COMET TRICK.....		1	16	1-41	16	1.4	15,35D	3.82	587	19	22	-329	+.1D	+2	-8
G7-21-56 1478354 6084814 1-73					14		17,1D9	3.42	585						
1512197 JERLOCH R A TEMPEST.....		1	19	1-41	19	1.1	12,843	3.5D	450	D	21	+48	-.01	D	+1
C7-11-56 1402113 6478562 5-73					6		12,416	3.58	444						
1512198 LOCHLAND R A RELIANCE.....*		2	10	1-41	12	1.1	13,139	3.36	442	25	21	+9D	-.04	-2	+1
C9-26-65 1402113 5979467 5-73					12		12,519	3.6D	451						
1512217 CEDARLYN J MARQUIS DAWN APOLLO*		8	2	3-13,16,	1C	1.2	14,424	3.38	488	11	33	-713	-.05	-32	-48
C9-25-66 1459996 6114087 5-73				52	4D		16,845	3.55	598						
1512221 LAVACRES STERK WAR.....*		4	13	2-86,93	23	1.1	18,898	3.53	667	22	3D	-19	-.04	-6	-5
11-19-56 1315498 4806310 5-73					109		19,473	3.64	7D8						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS HM/DAU	REC/DAU HERDMATE	MILK	% MILK	FAT	% FAT	1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1512273 CLOVER8ROOK ORMS8Y LEGACY.....*		1	12	1-42	12	1.3	14,457	3.57	517	25	20	+82	-.02	0	+2
11-28-66 1477547 5259529 5-73					14		14,013	3.68	515							
1512314 ROSARITA PRINCE A8RAHAM.....		2	11	1-93	13	1.2	18,286	3.66	669	18	22	+452	-.05	+9	+21
02-12-67 1315612 5981658 5-73					35		16,385	3.91	640						
1512322 DE-WA-SEE KING DANDY.....*		1	14	1-32	14	1.7	13,414	3.63	487	7	23	-97	.00	-4	-6
02-03-66 1438529 5968661 5-73					12		13,783	3.69	509						
1512334 PALTZER PA8ST LASH8ROOK SILVER		1	10	1-35	10	1.3	12,257	4.05	497	14	19	-195	-.01	-8	-12
01-14-66 1429382 3590267 1-73					12		13,160	4.14	545						
1512340 CLEM-MAR GALLANT JAKE.....		1	10	1-51	10	2.4	17,788	3.42	608	17	23	+144	-.06	-3	+2
03-01-65 1329588 5594029 5-73					51		17,459	3.67	640						
1512350 CHES-DON SIR GALAHAD MICHAEL..		1	28	1-93	28	1.0	19,766	3.53	697	7	22	+264	+.02	+13	+19
08-02-66 1154946 6D45717 5-73					52		19,034	3.43	652						
1512353 TOPS ROCKY LUKE.....*		3	5	1-21	10	1.5	15,044	3.48	523	50	28	-62	-.03	-7	-8
07-09-66 1386231 5158306 5-73					43		15,370	3.62	556						
1512354 CLARKCO 8LACK DIAMOND.....*		1	12	1-35	12	1.2	14,953	3.85	575	18	19	-114	+.01	-3	-6
09-19-66 1452168 3788532 5-73					16		15,673	3.85	604						
1512382 WILLOWLYN W 8 ERN.....*	31-07	2	17	2-32,52	19	1.6	17,562	3.52	619	5	25	+444	-.03	+12	+23
09-03-66 1298430 5555865 5-73					54		15,950	3.63	579						
1512395 8EAVER-CREEK HERMES HER8.....	21-10	49	1	6-11,13,	50	1.0	15,875	3.32	527	12	72	+204	-.17	-17	-8
02-13-67 1206797 4357633 5-73				14,16,21	27		15,723	3.54	556						
1512396 DAIRYLOU REROYAL MUTUAL PAUL..	35-75	25	2	14-21,35,	34	1.0	16,010	3.62	579	6	61	+55	+.01	+4	+5
09-10-66 1087974 5559450 5-73				41,55,93	54		16,090	3.59	578						
1512421 LUNOLANO REFLECTION 8LOOM.....*		5	3	2-35,63	10	1.1	12,644	3.99	505	30	29	-205	+.07	+2	-5
08-18-66 1459996 4528706 5-73					13		13,242	3.74	495						
1512429 LEO-8UR REFLECTION ROMEO.....*		1	10	1-34	10	1.0	15,421	3.74	577	10	18	+41	+.03	+6	+6
02-17-67 1445718 6097454 5-73					16		15,277	3.56	544						
1512469 MONTVALLEY FONO HOPE PAUL.....*		4	6	1-23	11	1.0	15,899	3.52	560	64	24	-106	-.01	-5	-7
10-04-66 1243697 3492110 5-73					18		16,560	3.59	594						
1512498 KA-RO-JO NEO WALKER TOROS.....*		3	9	1-33	12	1.4	13,409	4.00	537	10	25	-236	+.08	+3	-5
02-02-66 1308101 5581530 5-73					17		14,373	3.65	525						
1512505 PARKWOOD FONO ROYAL.....		2	14	1-41	16	2.0	13,392	3.70	496	25	25	-136	+.01	-3	-7
03-01-65 1243697 5181748 5-73					11		13,889	3.67	510						
1512506 JERGENS HIGHCROFT CARL.....*		3	7	1-41	13	1.2	15,961	3.13	500	62	27	-282	-.13	-29	-32
12-11-66 1416711 5170703 5-73					13		17,304	3.58	620						
1512536 WILLOW-VALLEY ALEX STANOARD...*		1	10	1-35	10	1.1	14,100	3.52	496	0	18	+12	-.05	-7	-5
11-20-66 1373055 5212101 5-73					32		13,997	3.87	542						
1512553 LIME-HOLLOW STYLEMASTER DE KOL	31-07	13	1	3-32,34,	15	1.0	15,471	3.59	555	27	41	+127	-.05	-2	+2
01-17-67 1175471 5388147 5-73				52	24		15,250	3.72	567						
1512558 HARTSBROOK SUPREME COUNT.....*		7	3	2-16,21	14	1.3	16,583	3.67	609	14	37	+193	+.01	+8	+12
08-01-66 1459957 5957280 5-73					28		16,240	3.66	594						
1512599 CAL-CLARK DYNAMIC-TWIN.....	91-13	40	3	6-81,82,	74	1.2	16,181	3.65	591	16	75	+463	+.02	+20	+30
08-10-66 1386287 4403445 5-73				91,92,93	35		15,695	3.63	569						
1512625 HO-8ERT MARQUIS-TWIN.....*	33-03	119	2	23-21,23,	160	1.0	15,345	3.42	525	16	88	+178	-.17	-18	-9
07-03-66 1459996 4610500 5-73				31,35,41	24		15,225	3.61	550						
1512635 CLEAVER SUSSEX IVANHOE.....*		2	6	2-50,51	11	1.2	14,919	3.85	575	0	26	+215	+.02	+10	+15
12-04-66 1402118 5938340 1-73					19		14,054	3.84	540						
1512639 JIM OAK RIOGES ROSAMIE REGAL..*		1	27	1-23	27	1.1	14,059	3.58	504	19	22	+316	-.02	+8	+16
12-15-66 D1D285087 6552905 5-73					13		12,439	3.71	462						
1512700 DIAMOND-S MAGIC KNIGHT.....	93-19	5	9	2-86,93	21	1.0	19,612	3.33	653	0	32	+336	-.10	-2	+9
01-14-67 1242221 4151544 5-73					109		19,028	3.57	679						
1512701 DIAMOND-S ROCAL KIO.....		1	15	1-93	15	1.0	15,264	3.79	579	13	20	-205	+.04	-2	-8
02-17-67 1246183 3903729 5-73					73		16,523	3.66	605						
1512715 OAK-OELL TRIUMPHANT CRUSAOER..*		6	11	2-48,84	21	1.2	14,286	3.58	512	14	31	+200	+.01	+9	+13
09-03-66 1316533 5964636 5-73					15		13,557	3.53	479						
1512720 ALBERTVILLE MAGIC SKYLINER....*		1	11	1-35	11	1.4	16,327	3.77	615	9	20	+40	-.02	-2	0
04-16-65 1352968 5164741 5-73					25		16,320	3.95	645						
1512729 PARKER VIEW PRIDE ANDY.....*		3	5	2-13,21	10	1.8	14,354	3.38	486	**	28	-403	-.01	-16	-25
01-16-64 1282262 4331528 1-73					18		15,948	3.44	549						
1512750 METCALFS G 8 GLADIATOR.....*	21-10	48	1	7-11,13,	50	1.3	15,587	3.56	555	20	73	-50	-.03	-6	-6
10-03-66 1282185 5304016 5-73				16,21,23	27		15,797	3.61	570						
1512770 PINE-SHELTER VICTOR REFLECTION*		5	13	2-41,45	22	1.4	13,220	3.95	522	0	30	-455	+.09	-4	-17
C7-26-66 1347065 5739595 5-73					22		14,762	3.67	542						
1512771 PINE-SHELTER CHESTER SKY PILOT*		6	2	3-42,47,	11	1.4	15,650	3.40	532	9	35	+263	-.07	-1	+7
C9-05-66 1304049 5739578 5-73				87	26		14,952	3.62	541						
1512795 CHURCH-FARM W M COUNT RAVEN...		1	12	1-43	12	1.2	14,292	3.36	480	58	19	-49	+.02	+1	-1
10-28-66 1479322 6203382 5-73					9		14,566	3.24	472						
1512806 PAWNEE-FARM HIRSCHLER A8C FAME*		2	6	1-47	12	1.5	16,679	4.07	679	17	28	+182	+.06	+15	+18
11-01-65 1425959 4987214 5-73					23		16,215	3.92	636						
1512821 SRO PRIDE KING.....*		4	8	1-74	13	1.1	14,045	3.15	442	23	25	-189	-.03	-11	-15
C8-27-66 1438954 4258930 9-72					63		14,858	3.27	486						
1512840 YODERVALE A 8 C RATH-HAVEN....*		2	13	1-23	15	1.7	16,988	3.79	643	27	25	+430	.00	+16	+26
05-03-66 1276654 6322168 5-73					21		15,371	3.81	586						
1512842 TEXAL FONO HOPE.....		1	20	1-33	20	1.9	16,242	3.64	592	5	25	+146	+.01	+7	+10
04-10-66 1243697 5176186 5-73					13		15,802	3.59	568						
1512853 VALLA-VISTA REFLECTION MIKE...*		4	3	2-47,48	10	1.6	17,659	3.41	602	0	32	+952	-.05	+26	+50
09-22-66 1454509 5700246 9-72					11		14,674	3.55	521						
1512921 LADYS-MANOR CURT CROUSEOALES..*		2	9	1-55	11	1.0	16,431	3.49	573	0	20	-11	.00	-1	-1
02-26-67 1320310 5443592 5-73					25		16,724	3.53	591						
1512925 SKAGVALE 30LO INHERITANCE.....	91-13	9	1	3-91,92,	10	1.1	17,300	3.69	638	10	33	+269	+.02	+12	+18
03-01-67 1385225 6069325 5-73				93	22		16,727	3.65	611						
1512936 KYLANO MARATHON COUNT.....*		1	12	1-35	12	1.3	15,323	4.04	619	0	20	+239	+.06	+18	+22
10-06-66 1388256 4086144 5-73					34		14,111	3.78	533						
1512939 KYLANO TIDY PREMIER.....*		1	18	1-35	18	1.3	15,619	3.69	576	17	22	+11	.00	+1	+1
10-12-66 1331709 4389901 5-73					31		15,697	3.68	578						

REGISTRATION NUMBER	NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	DAUS	... DAUGHTERS AND HERDMATES ... REC/DAU HM/DAU	HERDMATE MILK	% MILK	FAT	% FAT	1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1512993	LYDN-BROOK IVANHOE CRISS CROSS*		2	8	1-21	16	1.0	12,643	3.65	461	0	28		-477	.00	-17	-28
06-01-66	1418796 5633376 1-73					36		14,337	3.65	524							
1513008	MARDY PATHFINDER LEADER.....*		2	9	1-21	12	1.7	16,970	3.62	615	9	26		-103	+.05	+4	0
11-13-66	1433368 4338600 5-73					22		17,707	3.44	610							
1513024	GLEN-COVE YEOMAN.....*		1	19	1-21	19	1.3	14,397	3.61	520	5	22		-161	-.01	-7	-11
07-02-66	1416113 5351105 5-73					36		15,205	3.68	559							
1513042	APACHE PAPOOSE STONEY.....*		2	10	1-86	12	1.1	14,203	3.66	520	25	21		-516	+.04	-13	-26
10-06-56	1452836 5894176 5-73					146		16,943	3.52	596							
1513047	APACHE CITATION MOHAWK.....		4	15	2-48,86	34	1.2	15,130	3.25	491	24	37		-212	-.02	-10	-15
10-25-66	1432073 4691315 5-73					101		15,849	3.29	521							
1513048	APACHE CITATION STYLEMASTER...		3	14	2-86,93	19	1.1	18,910	3.34	632	0	26		+632	-.03	+19	+35
01-01-67	1432073 5860422 5-73					39		16,660	3.37	562							
1513055	APACHE RIELAND CHIEF.....*		3	35	1-86	39	1.1	15,686	3.90	612	21	25		-267	+.11	+6	-3
11-05-66	010229512 6096870 5-73					124		17,021	3.50	596							
1513059	S-OF-D MARIE PIONEER.....		1	10	1-72	10	1.2	12,576	3.29	414	0	19		-250	+.01	-8	-14
02-09-56	1292880 5651286 1-73					18		13,874	3.31	459							
1513090	ELDLIE SKYCROSS.....*		3	4	2-35,63	11	1.0	14,325	3.52	504	9	28		-182	.00	-7	-11
07-08-66	1378594 5745708 1-73					24		15,037	3.54	532							
1513096	FOHON SKYWAY WILLY.....*		2	11	1-41	20	1.3	16,425	3.68	604	40	31		+68	.00	+3	+5
01-01-66	1396885 5352818 5-73					9		16,403	3.68	603							
1513101	LO-PINE ABC MARCO.....*		6	6	4-13,21,	15	1.3	16,231	3.29	534	27	32		-211	-.12	-25	-27
08-08-66	1459996 5817837 5-73				34,63	90		17,170	3.63	624							
1513141	COBBLERS-BROOK NY BRUCE.....		1	10	1-14	10	1.3	13,572	3.70	502	10	19		-175	+.02	-4	-9
06-07-66	1290716 5256416 5-73					20		14,503	3.65	530							
1513146	LEVEL-LAWN P M LUCKY.....		2	25	1-35	43	1.5	14,806	3.53	523	15	35		-14	.00	0	0
04-03-66	1441149 4778279 5-73					7		14,898	3.52	524							
1513149	GRAFCO CHARIOTEER CRUSADER....		1	10	1-13	10	1.0	11,726	3.55	416	30	18		-461	+.01	-15	-26
02-09-67	1254887 4502547 5-73					9		14,331	3.51	503							
1513191	DORLOY DUKE CHAMPION.....	31-07	55	2	5-31,33,	88	1.2	15,368	3.47	533	16	81		+262	-.14	-11	-1
04-30-66	1353507 4752777 5-73				42,55,61	23		15,115	3.65	551							
1513236	WING-ACRES BIRCH KENT.....*		1	13	1-34	13	1.1	13,221	3.66	484	17	19		-391	+.03	-10	-20
10-08-66	1225575 5389231 5-73					19		15,337	3.55	544							
1513261	MAC-SWAN CHAMPION CROSS.....*		7	4	3-21,23,	12	1.3	13,482	3.93	530	30	33		-812	+.11	-15	-37
01-01-56	1378594 5387663 5-73				87	20		16,143	3.64	587							
1513284	KERNOT OOREEN MAGISTRATE.....		1	10	1-42	10	1.0	9,303	4.01	373	0	18		-162	+.03	-2	-7
11-20-66	1249795 5697478 1-73					18		9,763	3.87	378							
1513312	ARBORLAND ROYAL DUKE LOWELL...	35-21	28	1	4-35,41,	31	1.1	14,251	3.85	549	20	61		-269	+.08	+1	-7
09-10-66	010237136 4671978 5-73				42,47	20		14,724	3.74	550							
1513351	HARPSTER MARSHAL HOPE-TWIN....*		3	9	1-23	14	1.0	16,800	3.37	566	8	24		+137	-.06	-4	+1
07-20-56	1425137 6160087 5-73					30		16,441	3.60	592							
1513409	OAK-HOLLOW PARAGON SHANE.....		1	20	1-35	20	1.2	17,001	3.62	616	35	22		+4	.00	0	0
12-29-66	1413083 5871366 5-73					15		17,273	3.64	628							
1513417	ALTURA RAVEN STANLEY.....	93-19	28	1	7-23,31,	32	1.1	14,738	3.58	528	16	61		-81	-.06	-12	-12
11-22-56	1339836 5952839 5-73				35,42,74	17		14,926	3.70	552							
1513441	WYLO KING MARQUIS MODEL.....*		3	4	1-42	10	1.0	13,141	3.56	468	44	26		-243	-.05	-16	-20
03-24-66	1459996 4886312 5-73					13		14,041	3.81	535							
1513452	STEADY-STREAM PER PULSATOR....		2	13	1-47	15	1.4	14,737	3.49	515	0	23		+6	-.02	-2	-1
04-16-66	1415185 3883490 5-73					7		14,748	3.60	531							
1513520	THAYERS CHARMER BOB.....*		5	12	2-11,12	23	1.4	18,609	3.28	610	14	33		+442	-.16	-8	+7
08-22-66	1357743 6011119 5-73					27		17,597	3.69	649							
1513545	SINGING-BROOK MARQUIS GREAT...		2	9	1-23	11	1.0	15,395	3.73	575	9	20		+96	+.01	+5	+7
08-18-66	1459996 5362344 5-73					15		14,972	3.68	551							
1513559	FAIRFIELDS-G NELLIE KING.....		1	24	1-14	24	1.3	13,498	4.29	579	13	23		-160	+.09	+7	+1
09-01-56	1308429 5406200 5-73					60		14,165	3.89	551							
1513573	ACE ELM-LIM REFLECTION.....*		3	13	2-48,73	25	1.6	14,640	3.90	571	12	35		+693	+.05	+32	+47
09-08-65	1459996 5372016 5-73					11		12,487	3.82	477							
1513585	STERK MATCHAL.....	35-75	32	1	9-21,23,	36	1.0	16,247	3.60	585	6	64		-99	+.02	-1	-4
10-03-56	1291499 4670990 5-73				35,55,93	64		16,628	3.58	595							
1513610	MARGEM BEAU MARK.....*		3	9	1-22	13	1.1	15,759	3.74	590	62	23		+137	+.03	+9	+12
05-03-66	1459996 4377200 9-72					17		15,246	3.64	555							
1513620	BSH TOM LIEGE TEX ACRES.....		1	12	1-48	12	1.3	11,814	3.73	441	18	20		-308	+.06	-2	-11
06-31-56	1452595 6106904 5-73					3		13,226	3.39	449							
1513638	PACLAMAR TRIUNE COW POWER.....*	31-02	7	4	2-41,84	12	1.1	18,591	3.46	644	9	31		+768	-.04	+22	+41
01-25-67	1450228 6200481 5-73					54		16,306	3.54	578							
1513647	HALOLA SUZONE ALSTAR PILOT....		1	25	1-74	25	1.5	14,807	3.57	528	24	24		-358	.00	-13	-22
09-20-56	1251857 5671968 5-73					32		16,503	3.58	591							
1513648	HALOLA ALSTAR SKY PILOT.....*		2	8	1-74	10	1.2	17,088	3.34	570	10	21		+192	.00	+7	+12
09-20-66	1251857 5405117 9-72					59		16,349	3.30	539							
1513674	OVERLEA SILVER CROSS.....*		3	5	1-23	11	1.0	13,879	3.88	538	9	26		-203	+.05	0	-6
11-16-56	1378594 5964619 5-73					11		14,693	3.71	545							
1513678	LYMAN-FARM IMPERIALIST.....*		2	10	1-21	12	1.7	15,186	3.51	533	18	24		-195	+.03	-3	-8
10-07-56	1397054 4421654 5-73					20		16,188	3.42	554							
1513688	U-OF-MINN M HERMES VICTOR.....	41-01	46	1	3-41,45,	52	1.0	14,118	3.66	517	18	72		-527	+.01	-17	-30
10-15-55	1236797 4310260 5-73				46	16		14,904	3.65	544							
1513691	SLEEPY-HOLLOW ALBINA KING.....	35-75	29	1	11-21,35,	35	1.0	16,466	3.68	606	9	63		+414	+.10	+30	+37
12-26-56	1244845 4648739 5-73				55,84,93	49		15,964	3.52	562							
1513717	OOJIMAR BURKE FJRY.....*		2	9	1-31	18	1.1	16,638	3.49	580	17	30		+755	-.09	+14	+34
01-21-67	1381027 4991097 5-73					49		14,074	3.81	536							
1513719	OOJIMAR SKYHIGH VALDESSA.....*		1	16	1-31	16	1.3	14,459	3.46	501	40	22		+96	-.04	-2	+1
02-15-66	1349691 4417899 5-73					51		13,968	3.70	517							
1513721	CAVE-HILL ANTONY APOLLO.....*		2	9	1-52	11	1.1	14,592	3.88	566	0	21		+78	+.06	+11	+11
09-21-66	1399824 4838384 5-73					20		14,192	3.61	513							
1513753	EAST-BRANCH MARCIA REFLECTOR..*		3	7	1-35	10	1.5	16,730	3.68	616	0	24		+85	-.02	0	+3
07-10-56	1298430 4577885 1-73					12		16,599	3.77	625							

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS HM/DAU	REC/DAU HERDMATE	MILK	%	FAT	% IST REPT INC	%	PREDICTED DIFFERENCES MILK	%	FAT	$$
1513755 EGA-ACRES CHAIRALANE BUSTER...*		2	13	1-41	15	1.4	15,124	3.62	547	20	23	-87	+.01	-1	-3
04-24-66 1277653 6061114 5-73					12		15,621	3.58	559						
1513798 SHANGHIGH IVANHOE RAVEN.....		1	12	1-31	12	1.2	17,447	3.67	641	0	19	+574	.00	+20	+34
11-05-66 1418927 5804302 5-73					8		14,497	3.71	538						
1513800 SMOKER CRISSCROSS LAD-TRIPLET.		1	15	1-32	15	1.0	12,077	4.18	505	8	20	-650	+.10	-10	-28
03-22-66 1378594 4931355 5-73					9		15,491	3.66	567						
1513803 WALORONOALE WORTHY REFLECTION.		1	15	1-21	15	1.6	17,510	3.17	555	7	22	+432	-.09	+2	+15
03-29-66 1459996 4949219 1-73					13		15,706	3.51	551						
1513808 S-OF-O WHITE CROSS.....*		1	19	1-43	19	1.1	14,903	3.73	556	11	21	-130	+.05	+3	-1
08-30-66 1378594 4914742 5-73					11		15,658	3.47	544						
1513824 ED-RAY-MA SKYLINER OEAN.....*		1	25	1-41	25	1.4	16,439	3.52	579	16	24	+231	.00	+8	+14
10-25-66 1397517 5529537 5-73					12		15,574	3.53	549						
1513844 SPRUCE-SHADOWS FOND HOPE LAD..		1	18	1-41	18	1.3	15,524	3.72	577	28	22	-77	+.02	0	-2
12-18-66 1472716 4804301 5-73					12		16,045	3.62	581						
1513846 HY-VU RAVEN IDEAL FURY.....*		3	7	2-31,33	10	1.3	17,755	3.49	620	10	23	+537	-.02	+16	+29
11-30-66 1381027 5578206 1-73					89		15,547	3.58	556						
1513858 ROKEL SAM LADY SEARS.....*		2	9	1-21	11	1.6	17,647	3.45	608	9	23	+336	-.02	+9	+18
09-25-66 1385978 5193693 5-73					44		16,371	3.50	573						
1513863 FRANDOR EYESTONE ADAM SPARKY..*		1	12	1-21	12	1.3	12,641	3.67	464	17	20	-430	+.04	-10	-21
11-16-66 1259968 5749929 5-73					26		14,816	3.51	520						
1513865 COHASSET SKYLINER.....*		4	10	2-11,21	15	1.4	15,731	3.24	510	0	27	+114	-.05	-3	+1
09-14-66 1244845 5844744 1-73					40		15,410	3.40	524						
1513875 DAN-RIDGE PIONEER-TWIN.....		1	10	1-42	10	1.0	13,262	3.88	515	13	18	+56	+.01	+3	+4
09-21-66 1292880 4091596 5-73					28		12,783	3.86	494						
1513882 DROWN-FARM HOMESTEAD F DAN....*		1	11	1-13	11	1.4	13,600	3.76	511	0	20	-181	+.02	-3	-8
11-09-66 1331709 4776126 5-73					25		14,530	3.68	534						
1513919 PODUNQUE VIC CRIS.....*		5	5	1-21	17	1.2	14,113	3.98	561	19	37	-776	+.16	-6	-26
10-05-66 1378594 5056598 5-73					30		16,414	3.58	587						
1513920 OAK RIDGES REFLECTION EMPEROR.*	35-75	348	2	38-21,23,	491	1.2	15,380	3.54	544	13	96	-43	-.06	-10	-10
05-12-66 D10178998 D11248434 5-73				33,35,41	33		15,541	3.60	560						
1513967 GREEN-MEADOW MATCHMAKER.....*		1	10	1-34	10	1.4	14,137	3.66	518	10	20	-106	+.01	-3	-6
09-29-66 1481540 5278284 5-73					519		14,728	3.67	541						
1514007 STILES FARM SUPREME MONARCH...*		1	12	1-12	12	1.0	13,575	3.68	500	9	19	-87	-.02	-6	-8
07-05-66 1453532 4747751 5-73					19		14,011	3.85	539						
1514019 FRANGIN CHIEF PRIDE.....*		1	11	1-21	11	1.0	17,222	3.33	573	9	18	+132	-.03	+1	+5
09-03-66 1481984 5823268 9-72					26		16,733	3.44	575						
1514059 DALEFORD SUNSMOKE.....*		9	7	1-41	20	1.3	13,711	3.87	531	21	37	+8	+.05	+7	+6
07-12-66 1357743 4726432 5-73					10		13,612	3.75	511						
1514126 KANAWAKA LUCKY STRIKE.....*	35-21	1	24	1-48	24	1.1	16,386	3.75	614	5	22	+552	+.03	+25	+37
11-12-66 1410117 5448594 5-73					25		13,832	3.61	499						
1514154 DUX BLUE BELL OSCAR.....*		1	10	1-32	10	1.3	15,232	4.12	627	40	19	+251	+.05	+17	+22
08-25-66 1251857 5810295 1-73					18		13,863	3.89	539						
1514181 MIL-KET COUNT.....*		1	11	1-57	11	1.0	13,738	3.30	453	36	18	-143	-.01	-7	-10
01-09-67 1352953 5478122 5-73					56		14,545	3.41	496						
1514185 MAJESTIC OAKS HEILO MARK.....*		2	7	1-33	10	1.6	14,251	3.88	553	0	24	+259	+.02	+12	+16
03-26-65 1222994 5149162 1-73					15		13,068	3.83	500						
1514208 ELLBANK ADMIRAL FURY EMPEROR..*		14	3	7-16,21,	26	1.1	15,615	3.55	555	4	52	-63	-.01	-3	-4
01-29-67 1381027 4621940 5-73				41,55,74	30		15,888	3.58	568						
1514211 RO-BAR SENATOR IVANHOE FRED...		1	17	1-42	17	1.1	14,000	3.83	536	6	21	-70	+.02	0	-2
11-19-66 1464943 5053434 5-73					2		14,334	3.80	544						
1514254 WILLOW-MERE SKY CHIEF IVAN....	31-07	10	1	4-34,41,	10	1.0	13,176	3.63	478	10	33	-563	.00	-20	-33
05-04-66 D10256075 6031443 5-73				52,87	26		14,923	3.63	542						
1514306 OR-WIN LEADER DUKE.....*		4	8	3-31,34,	17	1.2	14,696	3.49	520	6	31	+61	-.02	0	+2
09-01-65 1331709 5692023 5-73				64	12		14,734	3.56	524						
1514384 HARTSBROOK WIS SUPREME.....*		6	5	3-11,12,	21	1.1	14,583	3.65	533	15	40	-69	-.02	-5	-6
01-02-67 1179373 5299962 5-73				13	14		14,796	3.73	552						
1514433 NUNESDALE DOUBLE KEYNOTE.....*		4	7	3-81,82,	12	1.1	14,744	3.76	555	17	25	+35	+.01	+3	+4
11-13-66 1459513 5765908 5-73				87	34		14,623	3.74	547						
1514464 SILVERFIELD BOOTMAKER.....		1	21	1-48	21	1.0	14,801	3.64	539	11	21	+37	.00	+2	+3
07-24-66 1450228 5025456 5-73					3		14,650	3.62	530						
1514469 BLOSSOMELLE PRINCE CHARMING...	35-75	49	2	21-21,23,	63	1.2	14,392	3.84	553	18	76	-760	+.21	+1	-23
08-06-66 1282185 5051343 5-73				35,41,93	51		15,540	3.58	556						
1514483 DARLYNN SMOKEY BUO.....*		2	17	1-23	19	1.1	14,296	3.59	513	0	22	+269	-.03	+6	+13
09-12-66 1436258 5715370 1-73					20		12,946	3.72	481						
1514496 CREEKWOOD MODEL LAD ORMSBY....*		1	15	1-34	15	1.4	12,095	3.49	422	40	22	-206	-.04	-13	-17
03-07-65 1216668 4752498 5-73					37		12,910	3.73	481						
1514528 MILKEN ORMSBY BURKE KEN.....*		2	13	1-13	18	1.6	14,424	3.31	478	6	28	+54	-.06	-6	-3
10-20-65 1400686 5627901 5-73					24		14,212	3.53	502						
1514575 LANE-CREST REFLECTION MARK....*		4	5	1-32	17	1.4	14,688	3.55	522	6	38	-427	.00	-16	-26
10-25-66 1459996 5263477 5-73					18		15,956	3.58	572						
1514581 BRISTOL SKYWAY ROYAL.....*		5	13	1-41	26	1.2	14,888	3.65	543	16	33	+124	-.01	+3	+6
09-14-66 1396885 4383165 5-73					15		14,523	3.70	537						
1514679 CAROTEX MARQUIS PRINCE.....*		2	8	2-56,57	10	1.1	13,765	3.47	477	0	20	-82	.00	-3	-5
11-30-66 1459996 6097376 5-73					31		14,158	3.48	493						
1514699 U-T GLAMDJR MONARCH.....	31-07	11	2	3-55,63,	17	1.3	15,858	3.52	558	7	45	+207	-.05	0	+6
11-22-66 1282185 5442858 5-73				64	28		15,505	3.64	565						
1514704 ARCHOLM ADMIRAL FOBES ERIC....*		6	7	3-32,34,	16	1.6	13,675	3.25	444	21	34	-7	-.06	-9	-8
04-19-65 1290182 5260281 5-73				63	18		13,622	3.44	468						
1514722 REE-GUST DOC DE KOL.....*		3	16	3-35,52,	24	1.3	15,130	3.65	553	4	29	+175	-.01	+5	+9
11-09-66 1340861 5764903 5-73				65	20		14,542	3.69	536						
1514756 RAG APPLE RIVIERA HAYSSEN.....*		1	10	1-35	10	1.2	16,507	3.54	585	0	19	+63	-.02	-1	+1
04-20-67 1448297 5802555 5-73					12		16,364	3.70	605						
1514770 EMMONS MARQUIS HYHOPE.....		1	11	1-34	11	1.0	15,123	3.59	543	30	18	-67	+.01	-1	-3
02-06-67 1459996 5925259 5-73					19		15,620	3.57	558						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEIFERS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEIFERMATES ... DAUS HM/DAU	REC/DAU HEIFERMATE	MILK	% MILK	FAT	% FAT	1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1514781 HEERSCHE ROYAL CAPTAIN.....*		12	2	2-47,48	15	1.0	16,751	3.59	602		20	41	+264	.00	+9	+15
10-19-66 1337353 5450960 5-73					20		16,299	3.60	587							
1514795 MAPLEWOOD-LANE MAC ARTHUR.....*		2	10	1-33	13	1.3	17,607	3.83	675		8	24	+459	-.01	+15	+26
10-08-65 1441148 5015776 1-73					25		15,839	3.93	623							
1514804 PINEY-KNOLL WORTHY CHARMER....		1	10	1-14	10	1.4	15,932	3.47	553		0	20	-89	-.02	-6	-8
11-10-65 1357743 5887192 1-73					22		16,614	3.58	594							
1514829 SILVER-LAKE ORLANDO.....	31-07	24	1	1-34	26	1.0	14,660	3.64	533		19	56	-367	.00	-13	-22
01-21-67 1242221 4969764 5-73					10		15,419	3.65	563							
1514840 LINDARD GOLDEN TIDY.....		2	8	1-23	10	1.4	12,214	3.88	474		29	21	-329	+.03	-8	-17
10-04-65 1418567 5454689 1-73					11		13,693	3.78	517							
1514843 WITH-ROW CHIEF WHITE CLOUD....*		2	10	1-31	13	1.0	15,165	3.61	548		31	22	-290	.00	-11	-18
11-25-66 1397517 6002401 1-73					20		16,730	3.65	610							
1514861 TYLER FARMS CHAMPION LAD-TWIN.*		2	15	1-12	30	1.4	15,030	3.37	507		11	35	-54	-.06	-10	-10
01-04-67 1353507 3742261 5-73					42		15,274	3.54	541							
1514875 LEEVALE SIR C B.....		3	6	1-42	16	1.1	13,504	3.48	470		14	32	-201	-.02	-10	-14
04-10-66 1414747 4948476 5-73					18		14,111	3.57	504							
1514879 SUNKIST COLANTHA HOUDINI.....		1	14	1-41	14	1.3	14,809	3.52	522		0	21	+170	-.04	0	+5
04-15-66 1238438 4892226 5-73					5		13,946	3.78	527							
1514889 EAVESTEAD POND HOPE SOVEREIGN.		1	13	1-21	13	1.0	15,142	3.36	509		0	19	+11	-.02	-2	-1
03-12-67 1451404 4681209 5-73					21		15,159	3.47	526							
1514907 VERNWAY MAGIC HERO.....*		3	5	1-91	11	1.0	12,550	3.74	469		0	26	-755	+.07	-18	-38
05-26-65 1237472 4996511 1-73					11		15,526	3.49	542							
1514912 KETCHUM JOE ALSTAR.....		4	8	1-41	17	1.1	16,226	3.63	589		18	30	+393	-.03	+9	+19
12-17-66 1251857 5572425 5-73					16		14,973	3.75	562							
1514931 BETIJO ORMSBY MAJESTY LINUS...*		3	20	2-71,84	24	1.2	14,531	3.37	489		13	25	-328	+.03	-7	-16
07-11-66 1338728 5642995 5-73					34		16,001	3.25	520							
1514953 PUGET-SOUND STAROOM.....*	93-19	42	2	11-23,31,	59	1.0	13,285	3.70	491		15	72	-670	+.03	-20	-37
09-16-66 1459996 4485835 5-73				35,41,42	17		14,201	3.67	521							
1514954 PUGET-SOUND HIGHMARK.....*	91-13	81	4	5-81,82,	166	1.1	16,584	3.64	603		13	85	-77	+.03	+1	-2
12-11-66 1459996 5654930 5-73				91,92,93	43		16,930	3.61	611							
1514963 THORP-HUB ALSTAR BUSTER.....		4	6	1-35	15	1.5	16,810	3.74	529		14	34	+344	+.07	+23	+29
09-18-65 1251857 5683951 5-73					11		15,942	3.55	566							
1515003 GGS SENATOR BEST.....		2	12	1-42	14	1.6	13,740	3.60	494		14	24	+160	-.03	+2	+6
03-02-66 1467064 5691080 1-73					7		12,929	3.72	481							
1515005 GGS EXPECTATION MAJESTY-TWIN..*		1	11	1-42	11	1.2	14,297	3.71	531		27	19	-467	+.02	-14	-26
10-27-66 1476170 5558468 5-73					17		17,009	3.63	618							
1515012 EHRS CENTURION TIM-TWIN.....		1	31	1-47	31	1.3	12,252	3.57	437		13	24	+12	+.01	+2	+2
10-02-66 010239301 5666530 5-73					8		11,957	3.51	420							
1515026 W-T-W HIAWATHA ECHO.....*		4	5	1-35	11	1.1	18,239	3.36	613		9	26	+342	-.10	-2	+9
01-02-67 1383004 5516382 5-73					14		17,215	3.69	636							
1515075 GLEN-COVE POND HOPE.....*		1	11	1-21	11	1.4	15,052	3.81	574		0	20	+20	+.04	+6	+6
09-18-65 1243597 4857918 5-73					40		15,015	3.64	546							
1515073 BEECHVALE RAG APPLE CITATION...*		7	3	1-42	15	1.4	17,658	3.60	636		30	38	+610	-.02	+19	+34
06-02-63 1432073 010971131 5-73					11		16,261	3.65	594							
1515116 ST CROIXCO PRAIRIE REBEL.....*	35-21	2	9	2-35,41	12	1.1	18,318	3.73	684		0	23	+275	.00	+10	+17
01-12-67 1291499 5602565 5-73					28		17,395	3.77	655							
1515117 ST CROIXCO PRAIRIE MAX.....	35-03	45	2	3-32,35,	68	1.0	15,216	3.77	573		12	74	+221	+.01	+10	+15
02-25-67 1291499 5602568 5-73				61	16		14,976	3.77	564							
1515118 ST CROIXCO VEEDICTION RON.....*	31-07	14	1	5-31,33,	17	1.0	18,658	3.36	627		6	45	+1,156	-.15	+19	+51
12-25-66 1210567 5518190 5-73				61,74,85	30		16,246	3.64	592							
1515120 EDGEWOOD ARIZONA KING.....		3	13	1-41	17	1.6	16,010	3.19	510		6	26	+157	-.09	-8	-2
09-16-65 1449841 5348611 5-73					14		15,524	3.53	548							
1515136 BRENT SKOKIE ABNER.....		1	10	1-33	10	1.9	12,608	3.80	479		0	22	-105	+.01	-3	-6
11-30-64 1290915 5741108 5-73					5		12,956	3.82	495							
1515146 PEMRED BARON NETHER NAPOLEON..*		1	11	1-52	11	1.0	10,947	4.15	454		18	18	-672	+.02	-21	-38
10-10-66 1308796 4890515 1-73					53		14,674	3.97	583							
1515186 ROBOA CLOSSON DUKE.....		1	16	1-41	16	1.3	13,785	3.53	487		31	22	-48	-.05	-9	-9
10-04-66 1454725 5757846 1-73					25		13,970	3.83	535							
1515191 RICHLY RINGON BATT.....*		1	15	1-82	15	1.2	12,036	3.81	459		27	21	-397	+.07	-5	-16
07-28-66 1297472 5535090 5-73					17		13,938	3.50	487							
1515192 KEN-VER-NEIL CHAMPION PETE....	48-01	17	2	2-48,73	27	1.0	15,946	3.67	586		15	54	+248	+.09	+22	+26
02-09-67 1353507 4942990 5-73					43		15,636	3.51	548							
1515193 KINGLEA SPECULATOR.....*		2	18	1-51	20	1.4	17,186	3.89	668		10	24	-59	+.04	+4	+1
07-19-66 1232185 4255724 5-73					56		17,774	3.75	667							
1515197 OAKVIEW-CREST FJRY J P CHAMP..*		2	12	1-56	14	1.1	14,159	3.71	526		14	22	-364	+.03	-9	-18
09-13-66 1381027 5433105 5-73					31		16,001	3.60	576							
1515205 GLENDALE-ACRES FREDDIE.....*		1	14	1-33	14	1.1	12,670	4.01	484		29	20	-416	+.02	-12	-22
10-07-66 1479812 5763823 5-73					15		14,164	3.90	553							
1515207 RUANN KNIGHT LUCKY.....	31-02	5	24	1-93	60	1.4	21,737	3.58	778		2	44	+1,453	+.04	+59	+92
07-13-66 1242221 4370037 5-73					157		18,841	3.49	657							
1515215 EXRANCO HERCULES.....	93-03	10	22	1-93	42	1.0	18,309	3.69	675		15	34	+204	+.02	+11	+15
01-19-67 1242221 5586863 5-73					182		18,078	3.62	655							
1515221 MANER FARMS TY VIC BART.....*		3	6	1-21	14	1.1	13,991	3.49	488		23	30	-589	+.01	-20	-34
01-02-67 1326163 4324160 5-73					23		16,124	3.49	562							
1515249 MAPLE-PATH PRINCE MAXIMUM.....*		1	16	1-54	16	1.1	14,378	3.73	536		19	20	-18	-.01	-2	-2
11-24-66 1315612 6213713 1-73					38		14,481	3.83	555							
1515276 METCALFS SHAMROCK PRINCE.....*		6	3	1-13	14	1.0	17,111	3.33	569		21	35	+340	-.11	-4	+7
01-24-67 1444415 5397899 5-73					37		16,327	3.62	591							
1515286 WHITTIER-FARMS IVANHOE PRIDE..	35-75	24	2	7-21,32,	32	1.0	16,313	3.68	601		6	60	-196	+.08	+4	-3
01-07-67 1189870 5167584 5-73				55,91,93	85		16,894	3.56	602							
1515287 WHITTIER-FARMS IVANHOE MODEL..	35-75	25	1	10-21,23,	29	1.0	15,805	3.66	579		24	58	-626	+.07	-13	-30
01-30-67 1189870 5421451 5-73				55,91,93	55		17,157	3.57	612							
1515318 FAIRHOPE SKOKIE DUKE.....*		1	14	1-43	14	1.0	12,619	3.65	461		0	19	+243	-.03	+5	+11
10-14-66 1238610 5688114 5-73					18		11,022	3.87	427							

REGISTRATION NUMBER NAME OF BULL	STUO CODE	NUMBER OF HEROS	EFF OAU /HO	STATES NO- WITH MOST OAUS	... OAUGHTERS AND HEROMATES OAUS HM/OAU	REC/OAU HEROMATE	MILK	%	FAT	% 1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1515333 HOLLANDALE FLASHY REFLECTOR...*		1	10	1-21	10	1.1	13,433	3.54	476	10	18	-312	-.01	-12	-19
09-05-66 1298430 5024355 1-73					22		15,240	3.61	550						
1515336 KEN-DON PAULINE SUNSHINE.....*		1	14	1-31	14	1.8	16,403	3.90	639	14	23	-150	+.01	-4	-8
01-10-66 1406271 6224024 5-73					19		17,358	3.89	675						
1515352 KANAWAKA LUCKY ACE.....*		3	8	1-48	11	1.3	16,232	4.05	658	0	23	+205	+.08	+19	+22
08-29-66 1410117 4997212 5-73					10		15,464	3.78	585						
1515382 REGAL WISCONSIN JERLAND.....		3	15	2-35,93	19	1.4	20,415	3.57	729	6	26	+430	-.02	+12	+23
03-18-66 1407994 5275501 5-73					29		19,233	3.65	702						
1515383 CIROSE JET STAR MAROUIS.....*		6	9	1-34	17	1.1	18,866	3.73	703	19	29	-236	+.02	-5	-11
01-25-67 1459996 5186469 5-73					15		20,266	3.69	748						
1515384 HOLMACRES MAROUIS.....*		3	8	3-41,47,	13	1.1	12,802	3.58	458	23	25	-347	-.01	-14	-22
12-08-66 1459996 4922247 5-73				87	22		14,192	3.66	519						
1515406 CHANGEABLE CRISSCROSS.....*		2	8	2-51,52	10	1.0	12,887	3.98	513	30	20	-381	+.06	-5	-16
01-10-67 1378594 5427258 9-72					30		14,894	3.67	547						
1515409 BENJI ADMIRAL ELMER.....		1	31	1-33	31	1.1	13,276	3.80	504	10	23	-187	-.01	-8	-12
10-20-66 1276344 6070930 5-73					26		14,067	3.89	547						
1515440 WAGIL CLASSIE CROSS.....		1	20	1-32	20	1.0	13,455	3.68	495	15	21	+304	.00	+11	+18
02-20-67 1378594 3896736 5-73					16		11,727	3.70	434						
1515445 BULKELEY SUPER SEARS SAM.....	21-10	47	1	6-11,13,	55	1.0	15,703	3.64	571	10	72	-4	+.04	+6	+5
09-02-66 1085978 5785598 5-73				14,16,21	30		15,857	3.58	568						
1515450 YARO-D-UTE ALSTAR KING.....		3	34	1-87	43	1.4	17,466	3.37	589	14	29	+219	-.03	+4	+10
03-24-66 1261857 5120376 5-73					43		16,977	3.43	583						
1515456 HYCLEO HARRY BURKGOV.....*		2	13	1-48	15	1.1	14,839	3.73	553	0	22	+231	-.01	+7	+13
09-05-66 1405530 5383385 1-73					23		13,718	3.80	521						
1515464 WESTPORT RAG APPLE WIS.....*	91-13	1	14	1-93	14	1.8	20,643	3.57	737	0	23	+758	-.04	+22	+41
12-18-65 1403560 4640718 5-73					80		17,676	3.71	655						
1515498 MILLER-HF GLORY FOND IMAGE....*		8	3	3-33,35,	14	1.4	13,574	3.93	534	0	37	+280	+.05	-3	-11
03-19-66 1469311 4919698 5-73				42	33		14,326	3.82	547						
1515505 BAU-VISTA ADMIRAL VENTURE.....		1	14	1-47	14	1.1	13,598	3.69	502	36	20	-218	.00	-8	-13
10-25-66 1237057 6261137 5-73					37		14,743	3.75	553						
1515506 WHITEYRE INKA GENE LUKE.....		1	10	1-21	10	1.0	12,511	3.52	440	70	18	-454	-.02	-19	-29
01-08-67 1278644 4277552 5-73					9		15,159	3.65	554						
1515508 SEITVIEW COMET ROBURKE ANN....	41-01	18	1	1-41	20	1.1	16,433	3.58	588	5	49	+764	.00	+28	+46
01-27-67 1289589 4346864 5-73					19		14,937	3.56	532						
1515512 BO-NO ASTRO DONA SABER.....*	33-03	2	18	1-93	20	1.4	20,906	3.38	707	0	24	+378	-.02	+11	+20
06-21-66 1458744 5865075 5-73					44		19,880	3.40	676						
1515515 ELROC REFLECTOR.....*		2	13	1-23	18	1.2	15,835	3.68	583	6	26	+191	+.04	+12	+16
04-24-66 1298430 5399768 5-73					7		15,162	3.56	540						
1515521 REBEL REDWOOD RAMONA.....		5	6	1-93	20	1.1	16,684	3.92	654	29	38	-641	+.05	-16	-33
05-22-66 010264804 5179452 5-73					65		18,830	3.82	720						
1515535 RAYMAU KING TUT.....*		1	13	1-11	13	1.5	15,374	4.15	638	15	21	-76	+.09	+10	+6
09-20-66 1454800 3641086 5-73					31		15,885	3.77	599						
1515565 WINOOK PONTIAC ELMER-TWIN.....		1	13	1-91	13	1.2	18,151	3.18	577	0	20	+279	-.04	+4	+12
07-24-66 1391977 5312772 5-73					43		17,003	3.31	563						
1515579 PHIL-TON BERWALOS IDEAL.....		1	23	1-46	23	1.6	12,806	3.58	459	20	25	-199	+.03	-3	-8
11-24-65 1416711 5951662 5-73					8		13,538	3.47	470						
1515582 F-J-K BURKE CLARA.....	93-18	4	12	1-93	19	1.1	18,210	3.51	640	18	27	-66	.00	-3	-4
11-29-66 1126307 5029837 5-73					192		18,912	3.54	669						
1515598 TO-MAR FOND HOPE JOE.....		2	12	1-47	21	1.6	14,958	3.51	525	5	33	+92	-.07	-7	-3
05-01-66 1243697 6013409 5-73					26		14,709	3.76	553						
1515624 NOR-REDA STALWORTH TYRONE.....		1	17	1-93	17	1.0	18,212	3.74	681	0	20	+250	+.01	+10	+16
11-01-66 1439119 5352173 1-73					56		17,261	3.72	642						
1515647 FAIRFIELD-VA ROMANDALE WALLIE.*		1	19	1-52	19	1.0	13,879	3.44	478	16	21	-84	-.04	-9	-10
02-15-67 1459996 5737230 5-73					82		14,283	3.70	528						
1515669 COLLINS-CREST LOU FURY.....*		5	5	1-21	13	1.0	16,198	3.46	561	0	28	+381	-.04	+8	+18
03-18-67 1381027 5353779 5-73					23		14,898	3.58	533						
1515670 COLLINS-CREST GYPSY FURY.....*		4	4	2-13,21	11	1.3	17,854	3.57	637	9	29	+716	-.07	+16	+35
07-17-66 1381027 5594458 5-73					32		15,486	3.81	590						
1515684 EVERYWIND CAROL PEB PEPPER....	21-10	34	1	6-11,13,	35	1.0	15,615	3.39	530	26	64	+108	-.12	-13	-7
03-07-67 1282596 4980938 5-73				14,15,21	32		15,563	3.57	556						
1515694 COCHRAN GENERAL FLAIR.....*		2	10	1-21	13	1.2	14,985	3.77	565	31	23	+33	+.01	+2	+3
03-04-67 1215402 5942653 5-73					15		14,893	3.77	562						
1515735 CLINTON-CAMP SENATOR ARCHER...*		5	7	1-21	13	1.1	14,582	3.51	512	18	27	-315	.00	-11	-19
01-08-67 1252985 5576294 5-73					20		15,908	3.53	562						
1515809 AL-MUR IVANHOE KING.....*		2	19	1-42	21	1.4	12,456	3.60	448	0	25	-160	.00	-6	-10
04-19-66 1391447 5009879 5-73					46		12,964	3.63	471						
1515861 HARGUTH HIGHCROFT MASTER.....		1	14	1-41	14	1.1	11,690	3.45	403	15	20	-707	.00	-25	-42
11-14-66 1441810 6201620 5-73					12		15,304	3.48	532						
1515871 HEATHERSTONE TYPEBLAZER TOPS..*		1	11	1-35	11	1.0	17,356	3.53	612	0	18	+302	-.03	+7	+15
10-24-66 1270685 4627505 5-73					14		15,843	3.64	577						
1515889 ADMIRAL TRIUNA SKYLARK.....*		5	4	1-42	14	1.8	15,782	3.49	551	0	38	+394	-.01	+12	+22
07-13-65 1237057 5475214 5-73					13		14,774	3.51	518						
1515918 PENROSE JOE JOHN.....*		1	17	1-34	17	1.0	13,643	3.72	507	18	20	-47	-.03	-6	-6
12-04-66 1172159 5112868 5-73					15		13,826	3.95	546						
1515955 ALDERHURST OELLA DICTATOR.....*		1	15	1-32	15	1.0	12,777	3.95	505	0	20	-224	+.02	-5	-11
03-13-66 1304048 4366523 1-73					19		13,854	3.88	538						
1515956 ALDERHURST OELLA STANLEY.....*		3	4	1-32	10	1.2	14,915	3.45	515	44	27	-260	+.02	-7	-14
01-23-67 1339836 3954300 5-73					8		16,064	3.41	548						
1515957 BAUGO-VALLEY SENATOR OELLA....		1	14	1-34	14	1.4	13,499	3.64	491	7	21	-336	-.01	-13	-21
03-28-66 1469893 4594776 5-73					13		15,172	3.70	562						
1515967 OON-A-HOW CHARMER BEN.....*		2	9	1-31	11	1.1	16,702	3.62	605	10	21	+342	+.01	+14	+22
03-25-67 1357743 4102150 1-73					18		15,107	3.57	540						
1515992 INWOOD PREMIER BARON.....*		1	10	1-35	10	1.1	14,237	3.58	509	0	18	-152	.00	-5	-9
12-02-66 1465181 5732212 5-73					17		15,151	3.60	546						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HO	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS HM/DAU	REC/DAU HERDMATE	MILK	%	FAT	% FAT	1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1516064 WOODBINE PEARL COMET.....*	31-07	8	5	6-21,23,	20	1.0	17,351	3.58	621		20	38	+769	-.03	+23	+42
C1-27-67 1381327 5372146 5-73				31,32,34	28		15,455	3.66	565							
1516017 BOILING-SPRINGS T C MODEL WOOD*		3	8	1-55	11	1.2	14,569	3.67	534		0	23	-12	+.04	+5	+4
C2-03-67 1392654 4601299 5-73					32		14,654	3.48	510							
1516028 HORN-DALE ROYAL INKA.....*		1	17	1-42	17	2.4	14,438	3.70	534		0	26	+68	-.01	+1	+3
10-23-65 1451881 5936407 5-73					11		14,155	3.74	530							
1516056 CEDAR-GROVE LUCIFER MIKE.....*		6	7	1-55	21	1.2	14,888	3.55	529		29	38	-741	+.03	-23	-41
C2-02-67 1308429 5732477 5-73					34		17,118	3.51	600							
1516058 STEVOLYN COMET TRIUNE ECSTASY.*		8	2	5-52,57,	14	1.4	14,125	3.65	516		0	40	-178	+.05	0	-5
06-10-66 1297169 4368807 5-73				63,64,65	22		14,597	3.55	518							
1516096 HERB-VUE SUNNY ELMER.....		1	10	1-22	10	1.1	14,984	3.50	525		0	18	+345	-.03	+8	+17
08-27-66 1406271 5359855 9-72					36		12,943	3.76	479							
1516100 WISOF CLARION PRES-TWIN.....*		1	13	1-33	13	1.3	15,521	3.36	522		8	21	+250	-.01	+8	+14
08-20-66 1402308 4250904 5-73					12		14,290	3.36	480							
1516114 MACACRES BRUCE STAR MAN.....*	21-10	43	1	7-12,13,	47	1.0	14,420	3.64	525		15	70	-654	+.03	-20	-36
04-05-67 1290716 5309838 5-73				14,16,21	27		15,471	3.62	560							
1516123 WHITBECK CELEBRITY HARRY.....*		1	11	1-34	11	1.0	14,241	3.83	546		20	18	-156	+.01	-4	-8
01-23-67 1395838 5176711 5-73					16		15,149	3.84	582							
1516144 CASS-RIDGE SECURITY STAN.....*		4	9	1-23	16	1.4	14,995	3.41	512		19	29	-299	-.07	-21	-26
01-17-66 1434276 5606012 9-72					10		16,209	3.68	596							
1516166 QUAKER WARSTEL NATALY ROCKWOOD*		1	12	1-41	12	1.1	13,555	3.61	489		43	19	+48	-.01	0	+1
09-12-65 1416711 5720651 1-73					16		13,184	3.73	492							
1516186 ELLENVALE MASTERPIECE PRINCE X		2	8	1-41	10	1.0	13,730	3.86	530		0	20	+15	+.02	+4	+4
11-04-66 1277213 4202790 5-73					14		13,572	3.76	510							
1516187 BUSY-ACRES SEARS BANNER.....*		3	8	1-21	13	1.1	15,794	3.37	533		9	25	+136	-.02	+2	+6
08-18-66 1385978 4714170 5-73					47		15,337	3.42	525							
1516198 ZIMMERMAN DEAN STAR PRIME.....*		3	8	1-23	11	1.0	14,566	3.55	517		9	22	-69	-.03	-7	-8
12-07-66 1433539 6412861 5-73					21		14,941	3.73	557							
1516215 RAVENGLEN REFLECTION ADONIS...*	33-03	248	2	34-13,21,	379	1.1	15,537	3.49	543		15	94	+267	-.13	-9	+1
10-12-66 1492073 4651959 5-73				23,34,35	24		15,350	3.64	558							
1516239 BARTELS ROYAL CRISS WESLEY....*		5	4	2-35,41	13	1.2	18,109	3.56	645		38	32	+750	-.05	+20	+39
07-07-66 1454537 5286279 5-73					18		15,934	3.70	589							
1516278 KAB-N-HILL BELLRINGER LADDIE..*		1	12	1-23	12	1.0	13,883	3.73	518		0	19	-137	.00	-5	-8
03-31-67 1414261 4840226 1-73					23		14,651	3.79	555							
1516283 UNH IVANHOE MAGISTRATE.....*	35-03	83	3	3-35,52,	150	1.0	14,893	3.93	585		19	86	-478	+.17	+7	-9
04-09-67 1126307 5170396 5-73				55	19		15,570	3.74	583							
1516289 KINGARTS ROBTHOM VOYAGEUR.....	41-01	64	1	4-41,42,	73	1.2	14,944	3.36	502		21	79	-60	-.19	-29	-26
08-30-66 1210507 5365163 5-73				45,46	21		15,091	3.60	543							
1516307 SLEEPY-HOLLOW PETER.....*		1	21	1-93	21	1.0	14,416	3.79	546		14	21	-85	+.04	+2	-1
04-02-67 1381027 5880207 5-73					349		14,875	3.61	537							
1516324 MO-MAPLE-LAWN SUNSHINE ELLIS..*		4	14	1-51	24	1.0	18,242	3.29	601		13	29	+273	-.05	+2	+10
02-05-67 1406271 5272342 5-73					53		17,620	3.42	602							
1516333 ELDELMAR SIR BRENT ORLO.....*		2	9	1-21	11	1.6	16,751	3.13	525		10	23	+213	-.05	0	+6
04-09-66 1348259 4800857 5-73					19		15,997	3.28	524							
1516342 STRICKLER PRINCE DON.....*		4	15	1-48	20	1.1	17,610	3.71	654		5	25	+174	+.01	+8	+12
03-12-67 1315612 4962059 5-73					42		17,203	3.67	632							
1516360 HEINDEL K C KIRK JUPITER.....*	21-10	73	2	8-11,12,	90	1.3	17,040	3.61	615		9	82	+1,201	.00	+43	+72
12-02-66 1347940 5527529 5-73				13,14,21	27		15,709	3.62	568							
1516386 YELLOW-BIRCH WASIOJA NAT.....*		3	7	1-41	10	1.0	16,764	3.57	599		20	22	+252	+.01	+10	+16
08-06-66 1301864 4979671 9-72					12		15,725	3.52	554							
1516388 AGRO ACRES MARQUIS BOY.....*	33-03	76	3	17-21,23,	113	1.1	15,656	3.58	561		11	82	+483	-.06	+9	+22
02-23-64 1459996 6904249 5-73				32,35,41	21		15,145	3.66	554							
1516392 BIG-ROCK CHIEF FAVORIT.....*		5	15	1-21	24	1.5	14,265	4.18	596		25	31	-642	+.17	0	-19
05-01-66 1397517 4780073 1-73					37		16,556	3.65	604							
1516395 GATE-CITY SILVER MARQUIS.....		1	18	1-55	18	1.0	13,391	3.61	483		11	20	-351	.00	-12	-20
12-11-56 1459996 5139038 5-73					27		15,197	3.62	550							
1516420 THUNYMA LEANDER.....*		3	8	1-71	11	1.1	14,804	3.34	494		9	22	-10	-.03	-4	-4
11-11-66 1357352 5775313 9-72					21		14,904	3.45	514							
1516425 THUNYMA SKY BLAZER.....		1	16	1-93	16	1.1	19,198	3.35	643		0	20	+103	-.01	+2	+5
12-02-56 1453314 5891688 5-73					81		19,170	3.38	647							
1516443 JO-EL PEBBIN DE KOL HENRY.....	21-10	39	1	6-11,13,	41	1.3	15,609	3.59	561		18	69	-54	+.05	+5	+2
11-06-66 1282596 5219247 5-73				14,15,21	25		15,833	3.52	558							
1516451 MARMIL DEAN GENE ADVOCATE.....*	21-16	44	1	6-11,13,	44	1.0	15,215	3.61	550		16	69	-312	+.01	-10	-18
03-16-67 1171458 4855878 5-73				14,16,21	33		15,814	3.61	571							
1516469 DENOVO GLENAFTON ROBURKE TIGER*		2	35	1-51	37	1.5	14,531	4.12	599		6	26	+68	+.03	+7	+8
05-13-66 1320015 5010237 1-73					20		14,262	4.06	579							
1516470 MANNINGTON GEORGE KINGPIN.....*		2	7	1-22	13	1.6	16,054	3.77	605		17	25	+307	.00	+11	+18
02-22-67 1347940 5547295 5-73					101		14,876	3.81	567							
1516502 FABER-MANOR SUNSHINE JONAS....*		1	10	1-23	10	1.1	17,195	3.84	661		20	18	+34	+.02	+4	+4
12-17-66 1406271 5189410 1-73					31		17,296	3.76	650							
1516525 DRAKE-VALLEY FARM JACK GRADJA.	35-21	25	1	3-35,41,	26	1.1	15,225	3.57	544		12	57	+126	-.07	-6	-1
09-01-66 1358763 5886389 5-73				42	20		15,073	3.72	561							
1516528 ROBTHOM VALIANT VOYAGEUR.....*		10	1	3-35,41,	11	1.2	14,993	3.46	519		10	36	-118	-.10	-18	-18
05-12-66 1210507 4936782 5-73				42	19		15,423	3.73	576							
1516536 AB RAG APPLE CHARMER WAGER....		1	21	1-33	21	1.3	15,884	3.59	570		24	23	-127	+.03	0	-4
12-20-56 1357743 5333915 5-73					9		16,682	3.49	582							
1516538 BOULDER-GLEN KEYSTONE TRIGGER.*		2	13	1-35	15	1.4	13,997	3.83	536		23	23	-296	+.05	-4	-12
07-01-65 1437611 5754762 5-73					9		15,377	3.65	561							
1516545 HABERDALE IMPERIAL ARCHER.....*	35-05	17	2	5-33,35,	25	1.0	15,389	3.89	599		12	53	-54	+.07	+8	+5
09-24-55 1242221 3983370 5-73				41,42,86	19		15,616	3.78	590							
1516551 OLATHE JUDY ERIC.....	41-01	11	1	3-41,45,	11	1.0	16,814	3.42	575		0	35	+823	-.05	+22	+43
07-20-65 1273756 4971300 5-73				87	11		14,501	3.54	513							
1516556 ALTEX IDEAL JOHN.....		18	1	4-41,45,	19	1.1	16,056	3.43	551		5	49	+772	-.06	+19	+39
01-05-67 1359664 4121259 5-73				46,74	19		14,480	3.54	512							

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HO	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS HM/DAU	REC/DAU HEROMATE	MILK	%	FAT	% 1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1516567 CAL-E-VIEW ADMIRAL LEE.....		1	16	1-34	16	1.0	14,073	3.75	528	6	20	-294	+.03	-7	-15
02-28-67 1290182 5788774 5-73					24		15,682	3.64	571						
1516575 MAYIOR ROYAL OARKIE.....		1	13	1-42	13	1.9	13,870	3.56	494	8	23	-80	.00	-3	-5
09-04-65 1446475 5330487 5-73					18		14,207	3.59	510						
1516583 SHANGHIGH IVANHOE SUPREME.....*		3	16	2-31,61	21	1.1	13,702	3.61	495	**	25	-231	+.02	-5	-11
09-08-66 1418927 3606298 5-73					48		14,644	3.54	519						
1516627 HEATHERSTONE KING OF THE A8C..*		19	2	3-33,35,	25	1.3	14,860	3.71	551	4	56	-108	+.01	-2	-5
07-13-66 1331314 5922185 5-73				74	20		15,129	3.71	561						
1516661 RICHARD-FARM PERCY PRINCE.....*		2	11	1-23	16	1.0	17,346	3.72	645	6	24	+207	-.02	+4	+10
04-07-67 1471953 5467532 5-73					29		16,730	3.83	641						
1516700 EJLANE RIVIERA TUCKER-TWIN....		3	8	1-32	14	1.1	13,872	3.79	526	7	26	-232	+.05	-1	-8
08-23-66 1452858 5208694 1-73					19		14,797	3.62	536						
1516706 MOST LOCHINVAR ADMIRAL.....*		3	7	2-35,41	10	1.1	13,718	3.73	511	33	22	-73	.00	-3	-5
05-07-66 1359526 5755880 5-73					18		14,015	3.77	529						
1516729 NE80 R08JRKE IVANHOE.....*		4	7	1-23	12	1.2	12,932	3.73	482	50	25	-472	+.02	-14	-26
02-33-67 1292880 4930763 5-73					18		14,864	3.67	545						
1516731 DORLOY FOND DANNY.....		4	7	2-31,55	15	1.5	17,721	3.53	625	20	32	+266	.00	+10	+16
11-13-65 1243697 5235516 5-73					27		17,159	3.51	602						
1516757 RI-VAL-RE PILOT TRIGGER.....*	34-07	10	6	1-34	30	1.1	16,054	4.05	650	10	47	-53	+.13	+17	+12
06-03-66 1251857 4807765 5-73					31		16,366	3.82	625						
1516789 VALLA-VISTA KING LESLIE.....		1	16	1-47	16	1.1	14,487	3.89	564	13	20	-97	+.06	+5	+1
03-31-67 1371268 5291753 5-73					20		15,036	3.60	542						
1516803 SHALLOW-CREEK CARLA PAULUS....	21-10	57	1	7-11,12,	64	1.2	15,898	3.56	566	10	76	+272	+.01	+11	+17
01-27-67 1189679 5461674 5-73				14,16,21	29		15,669	3.54	555						
1516804 8RIGEEN MAGROVE STYLISH CHIEF.*		3	7	1-13	10	1.0	14,635	3.64	533	43	22	-349	+.05	-5	-15
11-23-66 1397517 6117916 5-73					29		16,470	3.45	568						
1516813 CREEKWOOD LUCIFER 8RUNO.....*		1	10	1-34	10	1.3	11,777	3.57	421	0	19	-122	-.01	-6	-9
08-08-65 1242185 5418232 9-72					4		12,201	3.70	452						
1516828 ROUND-OAK OIVIOEND DEFIANCE...*	35-05	21	1	4-33,35,	23	1.0	13,964	3.80	530	22	53	-681	+.03	-21	-38
10-21-66 010257174 5749758 5-73				42,47	19		15,344	3.76	577						
1516864 OON-SAWYER ROYAL CROWN.....*	21-10	29	1	5-11,12,	33	1.0	15,135	3.73	565	30	61	-70	+.09	+10	+6
02-28-67 1378594 5217530 5-73				13,16,21	29		15,346	3.60	552						
1516870 MARTENS-FARM ADAM MARQUIS.....*		4	21	1-21	27	1.3	17,235	3.38	583	4	27	+427	-.06	+7	+19
12-10-66 1459996 4583392 5-73					13		15,779	3.55	560						
1516886 MADVALLEY TIOY LEO.....		1	46	1-41	46	1.5	13,163	3.60	474	20	26	-279	+.01	-9	-16
01-12-66 1456442 6107303 5-73					10		14,223	3.59	511						
1516893 R&E-GUST DAFFY CREAMELLE.....*		4	14	2-35,65	22	1.4	16,630	3.48	579	5	31	+634	-.07	+13	+30
12-05-66 1455669 4974883 5-73					16		14,559	3.69	538						
1516902 GRAY-VIEW X CHIP.....*		2	7	2-41,46	10	1.1	14,333	3.82	548	14	22	+11	+.03	+5	+4
11-01-66 1378594 5105639 5-73					38		14,268	3.68	525						
1516904 GRAY-VIEW X CONCENTRATE.....	35-21	65	1	6-32,35,	79	1.0	12,946	3.97	514	20	79	-1,804	+.23	-36	-84
12-29-66 1378594 5108940 5-73				41,42,47	21		15,330	3.69	565						
1516906 GAYMERE POSCH SKYLARK.....*		1	10	1-23	10	1.2	14,978	3.76	563	0	19	-79	-.04	-9	-10
10-09-66 1239242 4917986 1-73					50		15,520	4.03	625						
1516922 WILLOW-TERRACE GLAMOUR.....*		6	5	2-16,21	14	1.1	17,792	3.68	655	7	31	+428	.00	+16	+26
01-12-67 1282185 5432202 5-73					41		16,650	3.68	613						
1516938 NEEDHAM-ACRES XMAS CHARMER....*		2	12	1-21	15	1.2	14,071	3.46	487	33	24	-240	-.04	-14	-19
12-25-66 1357743 5193394 5-73					23		15,157	3.64	551						
1516946 A88DOALE DUKE LAD.....*		1	11	1-21	11	1.1	11,719	4.23	496	0	19	-218	+.07	+2	-5
03-13-67 1290716 5277788 5-73					25		12,728	3.77	480						
1516957 REDFIELD C 8OOTS RULER.....*		3	9	1-46	14	1.1	14,982	3.42	512	46	25	+24	-.02	-2	-1
12-18-66 1438285 4353597 5-73					30		14,938	3.52	526						
1517008 EHRS ROSAFE EMPEROR.....*		9	7	2-42,47	22	1.6	14,204	3.70	525	14	41	+155	+.02	+9	+12
04-13-66 1454165 50e1672 5-73					28		13,763	3.63	500						
1517014 FOXLEASE POLARIS.....*	23-13	63	1	3-22,23,	76	1.2	15,147	3.53	534	11	79	+57	-.14	-18	-13
11-11-66 010260599 5671292 5-73				52	32		15,151	3.72	563						
1517034 OON-PHIL REFLECTION MAGIC.....		1	10	1-93	10	1.4	11,418	3.43	392	**	20	-353	-.01	-14	-22
05-17-65 1459996 5190418 1-73					22		13,095	3.55	465						
1517040 REU-JEN 8ELMONT PAT.....*		1	11	1-31	11	1.0	14,978	3.30	495	9	18	-18	-.04	-7	-6
03-10-67 1480575 6273727 5-73					73		15,150	3.58	542						
1517066 GREENLEND KINGPIN ELMDALE.....*		1	11	1-23	11	1.5	15,619	3.46	540	18	20	-173	-.04	-12	-15
09-04-66 1347940 5252743 1-73					16		16,710	3.66	612						
1517068 E-8 CLYDE WILMA.....		1	14	1-23	14	2.3	12,275	3.63	445	8	24	-365	-.01	-14	-23
10-15-65 1423008 5567283 5-73					28		13,735	3.70	507						
1517070 AL-BON ABNER C C.....*		1	11	1-33	11	1.0	12,130	3.81	462	**	18	-62	+.04	+3	+1
07-30-66 1378594 5933592 1-73					33		12,263	3.59	440						
1517076 STALLINGS CHARMER 8URKLEY.....		1	31	1-82	31	1.4	14,210	3.74	531	7	25	+122	.00	+4	+7
04-27-66 1357743 5130394 5-73					76		13,636	3.78	515						
1517134 RICH-LOU CITATION NICK.....*		1	10	1-23	10	1.1	13,584	3.75	509	10	18	-413	+.01	-13	-23
11-13-66 1425137 5489026 9-72					26		16,023	3.71	594						
1517137 ROCKY-SIDE SMOKEY IDEAL.....*		3	5	1-23	12	1.3	16,062	3.98	640	17	30	-173	+.10	+8	+1
08-11-66 1436258 5753321 5-73					24		16,899	3.69	623						
1517184 YOKAYD GINGER NOEL.....*		3	4	1-93	10	1.2	17,732	3.50	621	0	26	-33	-.01	-2	-3
07-06-65 1315498 5600048 5-73					15		18,245	3.55	647						
1517261 ILLIVALE AMERICA.....		2	7	1-92	10	1.0	16,991	3.36	571	20	21	+476	-.04	+11	+23
01-06-67 1459996 5043802 5-73					98		14,783	3.52	521						
1517265 KENAR8RD REFLECTION TORO.....		2	9	1-87	11	1.3	15,460	3.39	524	9	21	-163	+.02	-3	-7
11-12-65 1459996 5406736 5-73					35		16,429	3.32	546						
1517268 ELMS TELSTAR-TWIN.....	35-75	19	2	8-23,35,	24	1.0	18,205	3.70	674	4	53	+789	+.07	+39	+56
11-11-66 1386406 4372537 5-73				84,91,93	99		16,975	3.59	610						
1517273 ETY WINNER.....	21-10	39	1	6-11,12,	41	1.1	14,362	3.69	530	28	68	-652	+.09	-11	-29
01-22-67 1315578 5920361 5-73				13,14,21	23		15,430	3.57	551						
1517287 WYANDALE 8URKGOV FOBES.....	41-01	44	1	1-41	51	1.2	16,431	3.49	574	13	73	+1,073	-.05	+31	+58
09-12-66 1223243 6111738 5-73					14		15,018	3.54	532						

REGISTRATION NUMBER / NAME / DF / BULL	STUD CODE	NUMBER DF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS	REC/DAU HERDMATE	MILK	%	FAT	% 1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1517290 AJRF BURKGDV KIT VALLEY.....		3	6	1-93	14	1.0	18,119	3.47	629	15	30	-92	-.03	-7	-9
01-31-67 1473442 4588173 9-72					75		18,881	3.56	673						
1517306 WITWAY ALSTAR GENERAL.....		1	17	1-35	17	1.2	14,135	4.07	576	0	21	-40	+.05	+6	+4
09-26-65 1251857 5546009 5-73					14		14,321	3.84	550						
1517335 FAIR-EDEN TRITJMIA PRIDE.....*		1	10	1-34	10	1.8	17,772	3.53	628	0	21	+372	-.06	+5	+15
09-01-66 1237057 3987109 5-73					29		16,208	3.78	612						
1517361 W-D-T-S AJDACIDJS LEDN-TWIN...		1	13	1-73	13	1.6	15,239	3.25	496	0	22	+283	-.06	+1	+9
12-18-56 1454880 5608746 5-73					1		13,902	3.52	489						
1517390 CEDARDALE PATRICK.....*		3	7	2-13,31	10	1.7	15,736	3.73	587	22	25	+37	+.03	+6	+6
07-13-65 1291498 3668847 1-73					41		15,721	3.60	566						
1517402 VISD FANCY BURKE LAD.....*		1	17	1-35	17	1.1	15,507	3.58	555	12	21	+64	.00	+2	+4
01-25-67 1397054 4155308 5-73					21		15,291	3.57	546						
1517422 LAZY-L SKYLINER WALLIE.....*	93-19	4	5	1-82	14	1.1	16,994	3.54	602	46	31	+607	-.05	+15	+31
10-30-56 1244845 4699925 5-73					14		15,086	3.69	557						
1517455 LIME-HOLLOW BURKGDV SUPREME...	35-75	23	2	11-21,35,	35	1.0	16,576	3.70	613	9	61	-171	+.07	+4	-2
04-15-67 1038509 5464222 5-73				55,91,93	61		17,134	3.60	617						
1517456 RD-AL MARQUIS BRUTUS.....*		1	17	1-34	17	1.5	14,017	3.61	506	18	23	-148	+.02	-3	-7
10-08-65 1459996 4171311 5-73					14		14,697	3.58	526						
1517473 CHICONE FURY MODIE.....*		1	15	1-51	15	1.1	14,860	4.24	630	7	20	+27	+.03	+6	+6
02-06-67 1339464 4626524 5-73					19		14,750	4.12	608						
1517483 ALSTAR MADCAP WEARY RIVER.....	93-18	4	4	1-93	13	1.5	18,526	3.70	686	8	34	+136	+.07	+15	+16
07-31-66 1251857 6061749 5-73					107		18,533	3.53	655						
1517540 CLANYARD WINN PEP.....	21-10	32	1	6-11,12,	35	1.0	15,668	3.87	606	3	63	+185	+.19	+35	+34
02-24-67 1315578 5313417 5-73				13,14,21	25		15,486	3.58	555						
1517561 RDMANDALE MAXIMUS.....*		41	4	16-13,21,	89	1.2	14,943	3.51	525	17	76	-74	-.09	-16	-15
11-24-55 010289103 011803713 5-73				22,23,47	28		15,114	3.65	551						
1517562 AL-MUNGER BOOTLEGGER.....*	35-75	6	16	2-32,46	31	1.5	13,165	3.43	451	23	36	+315	-.06	+3	+12
05-19-66 1450228 6057081 5-73					12		12,063	3.60	434						
1517564 THE-MEADOWS MAD GRANDIER.....*		2	10	1-42	13	1.2	15,882	3.44	546	17	24	+330	-.01	+10	+18
09-30-56 1277519 5621909 5-73					30		14,495	3.47	503						
1517574 FO-MA-TD-SA VALIANT.....*		1	14	1-48	14	1.4	13,406	3.30	443	29	22	-247	+.06	-1	-8
05-19-66 1474299 5991261 5-73					83		14,576	3.06	446						
1517575 FO-MA-TD-SA ADMIRAL HAWK.....*		3	9	2-48,74	13	1.5	14,870	3.78	562	31	25	-181	-.02	-9	-13
12-10-66 1383311 5071358 5-73					16		15,732	3.90	613						
1517598 FDROLEA REFLECTOR.....*		3	12	1-21	16	1.2	16,482	3.46	570	0	24	+365	-.03	+9	+18
08-02-56 1298430 5877914 1-73					32		15,030	3.55	534						
1517603 GLEN-ETT STAR MAN.....*		2	19	1-31	21	1.9	12,360	3.73	461	5	27	-232	+.01	-7	-13
11-15-55 1410984 5659152 5-73					23		13,099	3.72	487						
1517697 PDEHLS FOBES DANDY INKA.....	35-75	22	1	11-23,41,	23	1.0	17,902	3.40	608	13	53	+793	-.10	+14	+36
04-23-67 010233528 4490972 5-73				55,91,93	47		16,643	3.53	588						
1517713 ARESKU CITATION SAMSON.....		1	11	1-52	11	1.1	12,651	3.67	464	**	19	-106	+.02	-1	-4
03-18-66 010284111 011461427 5-73					22		13,099	3.60	471						
1517723 GLENAFTON RAG APPLE ELITE.....	31-07	21	2	1-34	27	1.3	13,583	3.53	480	19	58	-632	-.05	-29	-43
04-29-56 010249530 011155492 5-73					17		14,708	3.63	534						
1517742 BRISTOL BARON BEAU.....*		5	4	2-14,52	14	1.1	13,528	3.81	516	7	35	-364	+.04	-7	-17
11-25-56 1404687 4143912 5-73					24		14,597	3.71	541						
1517747 JAVDNDALE PRINCE ALEX.....*		1	14	1-55	14	1.1	14,780	3.34	494	67	20	-45	-.01	-3	-4
08-15-66 1315612 5325180 5-73					26		15,078	3.42	516						
1517749 MARCOVE BARON ONWARD.....	35-75	16	2	9-23,32,	22	1.0	15,765	3.61	569	27	50	-217	+.01	-7	-12
01-30-67 1308796 5058381 5-73				35,55,93	89		16,400	3.61	592						
1517825 NDRCLIFF REVELATION SIR-TWIN..		1	14	1-84	14	1.0	15,723	3.21	505	0	19	+379	-.06	+5	+16
02-17-57 1279190 4431776 5-73					20		13,689	3.48	477						
1517829 ORDWN-FARM CARNATION MIKE.....*		1	11	1-13	11	1.8	15,797	3.73	589	0	22	+344	+.01	+14	+22
03-21-56 1395482 5729193 5-73					30		14,201	3.71	527						
1517859 MAYNDRFRENCH ROYAL LEADER BDY.*		1	20	1-64	20	1.4	13,879	3.95	548	10	23	-204	+.05	0	-6
10-19-55 1259369 5182939 5-73					24		14,833	3.71	550						
1517868 MAYTAG BURKGDV VDYAGEUR.....	35-21	24	4	3-35,41,	35	1.0	15,646	3.61	565	15	56	+180	.00	+6	+10
03-26-67 1210507 5200263 5-73				42	29		15,429	3.62	559						
1517945 PADLAMAR REFLECTOR SENSATION..		2	9	1-86	12	1.0	18,906	3.28	620	17	22	+389	-.02	+11	+21
03-04-67 1381027 6206480 5-73					32		17,442	3.29	574						
1517948 PAWNEE-FARM MILKMAN.....*	33-03	20	4	11-23,32,	32	1.0	17,152	3.34	573	3	54	+527	-.13	0	+16
05-14-67 1210507 5327720 5-73				41,43,86	63		16,367	3.54	580						
1517951 PADLAMAR B E BERTRAM.....*		3	4	1-48	11	1.1	16,185	3.90	632	18	27	-36	+.06	+7	+5
03-11-67 1417390 4338599 5-73					34		16,534	3.74	618						
1517978 DIAMOND-S SKOKIE NDEL DUTCH...	35-75	24	2	10-21,33,	30	1.3	15,575	3.54	552	21	60	-590	-.01	-23	-37
06-08-66 1315498 4194902 5-73				41,55,93	59		16,794	3.57	599						
1517961 ELEVATION DOUBLE VEEDICTION...	48-01	102	4	3-43,48,	227	1.1	15,596	3.44	536	12	90	+262	-.11	-6	+3
11-10-56 1210507 4580287 1-73				73	25		15,405	3.54	546						
1518040 OAHLCARA PRINCE.....*		2	6	1-42	12	2.1	14,296	3.71	530	17	31	-211	+.03	-3	-9
11-22-65 1445206 4822894 5-73					10		15,045	3.62	545						
1518051 HOWACRES MONA MAJESTY.....*		3	10	2-12,14	23	1.1	14,104	3.48	491	0	33	-185	-.04	-12	-15
11-01-56 1457932 5862531 1-73					41		14,692	3.62	532						
1518075 GRJNDALE PRINCE BAXTER.....		1	14	1-35	14	1.1	13,638	4.11	560	8	20	+23	+.04	+7	+6
01-28-57 1474049 5820861 5-73					23		13,426	3.91	525						
1518076 GRJNDALE BACHELOR MARCUS.....*		2	27	2-35,63	29	1.2	15,024	4.17	627	4	25	-118	+.11	+11	+5
11-24-56 1469019 5348036 5-73					30		15,632	3.78	591						
1518086 GLENAFTON CHARM.....*	33-03	45	3	20-21,23,	66	1.1	16,073	3.53	568	12	72	+911	-.08	+20	+44
02-18-67 010259958 011170690 5-73				31,35,85	30		14,859	3.65	543						
1518092 LEEMEAD TIDY SKYLINER.....		7	7	2-48,73	27	1.2	15,092	3.53	533	4	43	+596	-.02	+19	+34
01-13-66 1329249 5438964 5-73					17		13,618	3.56	485						
1518095 FLETTDALE METEOR.....		3	16	1-23	20	1.6	9,346	3.87	362	18	27	-420	+.05	-8	-19
09-26-65 010288790 011564896 5-73					45		10,543	3.61	381						
1518103 POPLAR-BEND X ROCKET.....		5	7	3-35,41,	13	1.0	15,182	4.02	611	0	26	-109	+.09	+9	+4
09-24-66 1378594 5752074 5-73				45	24		15,732	3.70	582						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS HM/DAU	REC/DAU HERDMATE	MILK	%	FAT	% IST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1518108 KADERLY HOMESTEAD ELMOKA.....*		4	6	3-35,65,	13	1.0	15,120	3.86	583	0	28	+85	+.05	+11	+12
12-16-66 1355942 4204403 5-73				74	45		14,862	3.68	547						
1518110 LUWANEE MILO MARQUIS.....*		3	5	1-33	11	1.0	14,573	3.64	530	18	26	-374	+.03	-9	-19
08-17-66 1459996 4743941 5-73					16		16,173	3.56	575						
1518114 MCVUE REFLECTOR HOPE PRINCE...		2	8	1-61	12	1.0	16,271	3.43	558	8	23	+284	-.05	+3	+11
01-01-67 1298430 5691324 5-73					22		15,130	3.62	547						
1518159 CHARNETZKI CRISSCROSS PRINCE..*		4	4	2-41,45	12	1.1	13,521	3.56	481	25	31	-137	.00	-5	-8
01-08-66 1378594 4717626 5-73					16		13,921	3.59	500						
1518216 DIMDEN COUNT MAY JESSE.....		1	13	1-35	13	1.2	11,784	3.61	425	46	20	-312	+.01	-10	-18
01-01-66 1436607 4861803 5-73					45		13,248	3.59	475						
1518230 SCHWOCHS BLACK POWER.....*		1	10	1-35	10	1.3	17,150	3.50	600	0	19	-138	-.01	-7	-10
10-17-66 1315423 5808050 5-73					18		18,264	3.59	655						
1518238 HI-DALE ROSAFE LEADER.....		1	22	1-35	22	1.1	12,570	3.63	456	27	21	-273	+.01	-9	-16
04-16-67 1452383 4573746 5-73					31		13,789	3.62	499						
1518248 WLCO LYNDJN BURKE.....*		2	15	1-31	17	1.0	16,405	3.73	612	41	22	-116	+.02	-2	-5
02-10-67 1297169 5576532 5-73					40		17,232	3.69	636						
1518291 SUNVAE BILLY BOY.....*		3	6	1-33	13	1.6	14,823	4.14	613	**	32	-178	+.12	+10	+3
11-04-65 1243697 5149656 5-73					11		15,497	3.79	588						
1518299 CANAAN IVAN RASCAL.....*		1	15	1-57	15	1.0	14,421	3.84	554	7	20	-137	+.04	+1	-3
12-21-66 1458387 5484098 5-73					117		15,201	3.64	553						
1518324 GWENOALE BUTTERFLY DEFIANCE...*		2	7	1-55	13	1.5	13,796	3.38	466	15	30	-353	-.02	-16	-24
09-24-66 1327405 4759490 5-73					19		15,054	3.49	525						
1518342 QUINTREE FARM PIONEER MISTY...		1	22	1-16	22	1.2	16,968	3.96	672	14	22	+11	+.05	+7	+6
11-02-66 1292880 4990097 5-73					32		17,202	3.81	656						
1518344 LECAL IVANHOE JUNO JASTER.....		2	17	1-11	19	1.3	13,769	3.86	532	0	23	-21	+.04	+5	+3
08-12-66 1452001 5209775 5-73					25		13,805	3.71	512						
1518399 LONE-RANCH ASTRO LYNET NERO...*		4	9	2-21,23	16	1.1	16,153	3.36	543	6	27	-47	+.02	+1	-1
07-31-66 1458744 5665869 1-73					30		16,547	3.28	542						
1518433 SAGUARO DOUBLE DAF RANGER.....		1	11	1-86	11	1.0	16,676	3.22	537	9	18	+349	-.05	+5	+15
02-10-67 1396885 4564462 5-73					40		14,799	3.43	508						
1518468 LAKENOOK MARQUIS CONQUEROR....*		1	19	1-61	19	1.6	13,595	3.41	464	0	24	+233	-.01	+7	+13
07-17-66 1459996 6086227 5-73					25		12,417	3.43	426						
1518480 HI-LO MAJORITY.....*		3	7	1-35	12	1.3	15,744	3.66	577	9	26	+147	-.01	+4	+8
11-23-66 1383004 5298292 5-73					15		15,265	3.71	566						
1518547 WRIGHTS-DALE MASTER IVANHOE...*		1	10	1-23	10	1.1	12,125	3.32	402	22	18	-388	-.04	-19	-27
10-12-66 1450272 5458602 1-73					15		14,250	3.60	513						
1518548 PAUL-LYN SMOKY.....*		1	12	1-48	12	1.2	12,166	3.48	423	18	19	-226	+.02	-5	-11
03-29-66 1282720 5288822 1-73					17		13,216	3.36	444						
1518549 PAUL-LYN SKYHAWK JEWEL.....*		3	13	1-48	26	1.0	15,062	3.10	467	15	32	-135	-.03	-9	-11
11-16-66 1289574 4724614 5-73					30		15,611	3.18	496						
1518552 MOUNDVALE REFLECTION PAUL INKA*		1	25	1-35	25	1.4	11,340	3.40	385	13	24	-282	-.02	-13	-19
12-12-65 1298430 5281522 5-73					22		12,318	3.54	436						
1518557 LEDON NETHERLAND CHRISTOPHER..*		1	15	1-48	15	1.0	17,554	3.44	603	47	20	-127	+.01	-3	-6
12-31-66 1352927 4878879 5-73					47		18,625	3.41	635						
1518579 WILLOW-FARM LYONEL.....	21-10	43	1	5-11,13,	45	1.0	15,178	3.56	541	27	69	-169	.00	-6	-10
04-20-67 1252609 5065379 5-73				14,16,21	32		15,539	3.57	554						
1518599 YPPARILA NOEL CAPTAIN.....		3	6	1-46	11	1.1	14,898	3.35	499	0	24	-259	+.02	-7	-14
07-23-66 1315498 5713971 5-73					11		16,144	3.30	533						
1518616 SUNNYSIDE EXCELLENCY STANDOUT.*	35-05	32	2	3-35,41,	49	1.0	16,026	3.74	599	12	69	+353	-.02	+10	+19
03-09-67 1428104 5042472 5-73				42	20		15,636	3.79	592						
1518626 COUNCE FARM SOLO CHIEF-TWIN...		1	30	1-65	30	1.4	13,729	3.25	446	4	24	-178	-.01	-8	-12
10-10-65 1399385 4452151 5-73					5		14,476	3.30	478						
1518630 TOWEROALE NOBLE BARON.....*		2	16	2-34,35	20	1.1	14,241	4.04	576	11	24	-500	.00	-18	-30
11-14-66 1395838 5434888 5-73					20		16,575	4.06	673						
1518642 KILINSOALE TIGER.....*		6	4	2-11,16	17	1.0	15,745	3.87	609	35	37	-120	+.10	+10	+5
12-25-66 1366152 4829964 1-73					29		16,256	3.62	588						
1518643 KILINSOALE GLEN.....*	23-13	36	1	3-21,22,	40	1.0	14,384	3.75	540	3	66	-476	+.04	-12	-24
01-05-67 1357743 5234925 5-73				23	25		15,186	3.71	564						
1518703 MAREVA PILOT BELMONT KATE.....	35-75	18	1	11-23,32,	23	1.0	17,638	3.57	629	24	52	+642	-.02	+20	+36
02-16-67 1261857 4477168 5-73				34,91,93	58		16,626	3.60	598						
1518711 LEEMEAD SYMBOL RAG APPLE.....*		6	7	2-48,84	23	2.3	15,947	3.64	581	15	45	+128	+.02	+8	+10
11-06-64 1455276 5142045 5-73					18		15,805	3.60	569						
1518754 TALLYVIEW OSCAR OSBORNOALE....		3	8	1-41	19	1.1	15,621	3.86	603	11	32	+42	.00	+2	+3
10-10-66 1287090 5927199 5-73					14		15,614	3.88	606						
1518793 AUSTIN-HOMESTEAD F BILL-TWIN..		1	12	1-21	12	1.4	12,083	3.40	411	10	21	-141	-.02	-8	-11
10-19-66 1397517 5359752 5-73					30		12,590	3.57	450						
1518867 INTERNATIONAL PREMIER.....*		4	10	2-32,35	19	1.2	12,801	3.59	459	47	30	-283	-.02	-13	-19
07-22-65 010282994 011026740 5-73					12		13,661	3.70	505						
1518895 MAYERS P S FOBES ADDIS.....*		1	15	1-35	15	1.1	11,543	3.53	407	0	20	-566	.00	-21	-34
11-01-66 1462468 3638103 1-73					16		14,328	3.58	513						
1518896 MAYERS P S PIETJE MARKSMAN....*		3	5	3-32,35,	10	1.0	17,540	3.60	632	0	23	+197	-.03	+2	+8
11-07-66 1462468 5493759 5-73				52	23		16,944	3.74	633						
1518939 OAN-VER CAROL SENATOR.....	33-03	6	12	1-93	40	1.0	19,571	3.47	680	3	44	+946	-.05	+27	+51
08-22-66 1252985 4477571 5-73					46		17,768	3.54	629						
1518988 SUNTOP TEXAL SUPREME.....*	35-05	4	10	1-91	18	1.0	18,454	3.94	727	0	28	+757	+.10	+42	+57
01-18-67 010264804 5089238 5-73					26		15,889	3.68	584						
1519033 KAHLHAVEN IDEAL NOEL.....*		4	5	1-35	11	1.0	13,988	3.40	475	22	26	+155	-.06	-3	+2
06-16-66 1373055 5554070 1-73					32		13,273	3.68	488						
1519040 CRESCENT-BEAUTY FANFARE.....*		2	10	2-35,47	12	1.0	16,826	3.42	576	17	20	+251	-.06	0	+8
03-14-67 1435446 5712330 5-73					22		15,727	3.75	589						
1519107 HAVEN-LANE CRISS TONY.....*	33-03	1	17	1-51	17	1.0	18,570	3.74	694	6	20	+928	.00	+33	+55
11-07-66 1378594 5598903 5-73					29		13,928	3.82	532						
1519115 MAYERS P S MERCURY-TWIN.....*		1	11	1-35	11	1.3	14,789	4.21	623	9	20	-294	+.08	+1	-8
02-02-67 1452468 4981753 5-73					22		16,515	3.30	628						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HD	STATES ND- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS HM/DAU	REC/DAU HERDMATE	MILK	%	FAT	% 1ST INC	% REPT	PREDICTED DIFFERENCES MILK	%	FAT	$$
1519132 EDMARAL SEVENS GD-GO.....	35-75	20	2	11-35,41,	27	1.0	16,317	3.71	606	7	56	+70	+.06	+11	+11
C3-14-67 1239242 5783122 5-73				42,55,93	71		16,391	3.62	593						
1519133 EJLANE RIVIERA DR ROSSI.....*		1	11	1-32	11	1.3	14,042	3.71	521	9	20	-38	+.02	+1	0
01-03-67 1452858 5842226 5-73					55		14,224	3.61	514						
1519218 SIMPSONS APOLLO REBEL.....*	23-13	73	2	5-23,32,	112	1.1	15,103	3.69	557	17	83	+408	.00	+15	+25
12-30-66 1399824 4683353 5-73				51,52,54	32		14,639	3.70	541						
1519228 NAVI SX KEN.....		1	10	1-93	10	1.0	16,322	3.71	606	0	18	-93	+.02	0	-3
C1-12-67 1441148 6268783 5-73					38		17,124	3.59	615						
1519229 LUCY SEVENS VALIANT SKYLARK...		2	6	1-35	12	1.2	18,251	3.38	616	8	27	+407	-.04	+9	+20
02-14-67 1239242 6112427 5-73					11		16,973	3.46	587						
1519235 WOOD-WILLOW MARQUIS LEADER....		3	5	1-41	10	1.0	14,369	4.09	587	0	23	-21	+.07	+10	+8
01-13-67 1459996 6030433 5-73					10		14,473	3.78	547						
1519257 MATCHETTPEAK SKY PRIDE.....*		1	12	1-34	12	1.7	17,242	3.64	627	0	22	+99	+.05	+11	+12
C6-25-66 1397752 5745033 5-73					12		17,054	3.42	584						
1519260 P-EARLY STAR IMPROVER.....		3	9	1-32	18	1.3	12,378	3.64	451	19	32	-333	+.04	-7	-16
C3-17-66 1410984 4658268 5-73					8		13,331	3.54	472						
1519271 DUMBELLE SUPER CHIEF.....*		1	17	1-23	17	1.6	16,377	3.52	576	18	23	+141	-.03	0	+4
C9-15-56 1397517 4287669 5-73					19		15,920	3.69	587						
1519297 EATON-COUNTY MR KILLARNEY.....*		1	11	1-34	11	1.3	12,490	3.51	438	0	20	-214	.00	-8	-13
C5-27-66 1221226 4694822 5-73					18		13,506	3.54	478						
1519320 OLMAR FURY SENSATIONAL 8.....	41-01	37	1	1-41	42	1.1	15,396	3.57	549	14	67	+151	-.01	+4	+8
01-30-67 1351027 5015701 5-73					20		15,258	3.58	546						
1519338 HARTSBROOK REGAL IVANHOE.....*		3	15	1-16	20	1.1	18,274	4.05	740	0	26	+148	+.11	+22	+23
03-01-67 1272986 5265810 5-73					50		18,069	3.70	669						
1519358 RUESINK JOHN LUCIFER.....		1	16	1-34	16	1.3	14,682	3.41	500	13	21	+50	-.03	-3	-1
02-14-67 1290181 5690914 5-73					34		14,454	3.58	517						
1519364 SQUAREFORTY REFLECTOR PRINCE..*		3	5	1-34	10	1.0	14,909	3.76	560	70	23	-258	+.04	-4	-11
10-10-66 1298430 6073249 5-73					20		16,205	3.63	589						
1519406 BREEZESIDE CORAL MARQUIS.....*		8	17	2-42,47	41	1.2	14,029	3.46	485	5	40	-294	-.06	-19	-24
01-16-66 1459996 4733923 5-73					14		14,803	3.63	537						
1519425 UMPQUA NICOLK BOLD SAMPLE.....*		3	11	1-92	16	1.0	14,421	3.66	528	6	25	-115	+.03	0	-3
04-18-67 1282936 5118438 5-73					35		14,948	3.57	533						
1519468 VALLA-VISTA POSCH CRAFTSMAN...*		5	5	1-41	11	1.0	13,734	3.74	513	36	26	-428	.00	-16	-26
C4-05-67 1397871 5244576 5-73					21		15,495	3.78	586						
1519478 FLAX-MILL SEVENS WINNER.....	35-75	17	1	12-41,55,	19	1.1	17,003	3.61	613	0	48	+346	+.02	+15	+23
02-19-67 1239242 5872842 5-73				57,84,93	59		16,498	3.57	589						
1519495 MINERVA-CREEK SUPERB STAR.....*		3	16	1-42	32	1.4	16,016	4.01	642	31	36	-225	+.07	+2	-5
02-14-66 1458592 5834993 5-73					17		16,923	3.83	648						
1519512 THONYMA PLUTO JOSE.....		2	10	1-48	15	1.4	14,008	3.43	481	27	27	-127	-.05	-12	-14
12-10-66 1463314 6283914 5-73					22		14,503	3.65	530						
1519514 THONYMA TIDY CONCENTRATE.....*		4	14	3-43,47,	19	1.0	14,651	3.46	507	22	25	-167	+.01	-4	-8
11-22-66 1098656 5649238 5-73				48	24		15,428	3.41	526						
1519525 J-LEAN MARQUIS HERMAN.....*		9	2	3-48,73,	16	1.2	12,851	3.55	456	20	42	-817	+.03	-26	-46
C6-14-66 1459996 5556278 5-73				74	14		14,869	3.51	522						
1519549 KINGARTS LOCHINVAR MAX.....		1	11	1-43	11	1.2	14,570	3.69	537	27	19	-7	+.02	+2	+1
12-20-66 1359626 5713717 1-73					19		14,636	3.62	530						
1519553 TRU-POL OF KOL BELMONT.....*		1	12	1-41	12	1.0	11,513	3.73	430	17	19	-392	+.01	-13	-23
11-12-66 1229660 5231544 5-73					17		13,538	3.72	503						
1519564 ELKOL SEVENS BURKE.....		2	8	1-21	11	1.3	17,490	3.68	643	9	23	+113	-.01	+2	+5
09-01-66 1239242 4227267 1-73					31		17,292	3.75	648						
1519569 SKYWAY ORMSBY ROYAL.....*		1	11	1-13	11	1.1	17,207	3.57	614	27	19	-20	-.03	-5	-5
03-15-67 1452393 5967976 5-73					26		17,646	3.73	659						
1519598 JONES SKYLINER STAR MAN.....*		1	13	1-22	13	1.2	11,679	3.63	424	50	20	-202	+.01	-6	-11
C1-01-56 1410984 5875056 1-73					65		12,516	3.64	455						
1519619 JOLIAM POLY KNIGHT SKYLEADER..		2	14	1-35	27	1.1	15,253	3.76	574	52	33	-115	+.03	0	-3
03-04-67 1242221 5336474 5-73					19		15,744	3.70	583						
1519648 EDELE SENATOR SOVEREIGN.....*		5	13	2-32,34	21	1.4	13,457	3.73	502	20	30	-590	+.02	-18	-33
C3-20-56 1252985 4273494 5-73					17		15,522	3.67	569						
1519649 EDELE CHAMP DUKE YEOMAN.....	31-07	10	1	3-31,33,	12	1.0	14,085	3.49	491	8	36	-341	-.03	-16	-23
C1-02-67 1363507 4092039 5-73				61	27		15,095	3.58	540						
1519708 SARAMAJO SIR LUIGI.....*		2	8	1-21	11	1.3	16,614	3.61	599	0	23	+170	+.03	+11	+14
C1-01-57 1394824 5445521 1-73					20		16,046	3.47	556						
1519779 BONNIE-ELMS MARQUIS.....*		4	4	3-41,45,	11	1.0	15,869	3.40	539	9	28	+419	-.01	+13	+23
C2-09-67 1459996 5716118 5-73				46	13		14,358	3.41	490						
1519840 EXRANCO APPOLO.....	93-03	10	8	1-93	34	1.0	17,073	3.64	621	26	46	-289	+.04	-5	-13
C4-12-67 1356011 4824160 5-73					148		18,078	3.57	646						
1519853 DE-WA-SEE M K SENATOR.....*		2	9	1-32	11	1.3	15,571	3.58	558	0	21	-119	-.02	-7	-9
C2-20-67 1252985 5966660 5-73					35		16,326	3.69	602						
1519881 ROBTHOM VICTOR VOYAGEUR.....	41-01	8	2	2-41,45	10	1.1	15,473	3.41	527	20	32	+98	-.06	-5	-1
C9-20-56 1210507 5189174 5-73					32		15,254	3.61	550						
1519895 LONG-HAVEN SEVEN ROYAL.....	35-75	23	1	11-21,35,	27	1.0	16,580	3.67	609	19	57	+330	+.01	+13	+21
C4-12-67 1239242 4899914 5-73				41,91,93	36		16,176	3.67	593						
1519902 RITCHEY-HILLTOP IVANHOE.....*		1	14	1-23	14	1.2	13,632	3.81	519	36	20	-383	+.07	-4	-15
02-17-67 1392654 5446991 5-73					13		15,639	3.49	546						
1519919 NUTMEG-ACRES CAPTAIN REBEL....*		3	7	1-16	13	1.1	15,965	3.61	577	17	26	-116	+.05	+3	-1
C8-20-66 1144239 5024163 5-73					55		16,637	3.42	569						
1519940 FOX-CHASE GERBEN KINGPIN.....*		1	15	1-23	15	1.0	14,855	3.80	564	7	20	-83	.00	-3	-5
03-22-67 1347940 4751336 5-73					47		15,383	3.83	589						
1519946 MIL-RAJ REGAL MARQUIS PROFILE.		1	12	1-42	12	1.4	10,420	3.46	361	0	21	-207	-.03	-12	-16
C9-24-56 1459996 5815C82 5-73					5		11,103	3.72	413						
1519951 BOIVISTA PENSTATE EDDY.....*		5	3	1-82	13	2.1	14,844	3.56	528	15	40	+153	-.02	+3	+7
C7-16-65 1410984 3872363 5-73					15		14,466	3.60	521						
1519965 WINDY-WILLOW FEMMARA ADAM.....*		1	15	1-22	15	1.2	11,572	3.87	448	33	21	-500	+.03	-14	-27
10-12-56 1319055 6055527 5-73					13		13,949	3.75	523						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS HM/DAU	REC/DAU HEROMATE	MILK	%	FAT	% 1ST FAT	REPT INC	PREDICTED DIFFERENCES % MILK	% FAT	$$
1519970 JIMBDDAV SHIAWANA CAPTAIN.....		1	21	1-34	21	1.7	18,741	3.27	613	0	25	+344	-.07	+2 +12
12-15-65 1192713 4053282 5-73					16		17,666	3.48	615					
1519981 CARROLLTJN OUSTY CHAMPION.....		5	3	1-41	10	1.4	14,917	3.68	549	10	30	-178	+.01	-5 -9
06-23-66 1423265 5066498 1-73					10		15,639	3.66	573					
1519985 E-Z-ACRES OAGAN OELIGHT-TWIN..	31-07	13	1	2-32,34	15	1.0	13,728	3.72	510	13	42	-328	+.03	-7 -16
04-29-67 1223243 4756706 5-73					20		14,523	3.65	530					
1519986 E-Z-ACRES BURKE MILKMAN-TWIN..*	55-01	5	3	1-55	11	1.0	16,957	3.67	622	27	30	-98	.00	-4 -6
05-14-67 12392+2 5502428 5-73					39		17,615	3.70	651					
1519989 KINGREY CAPTAIN CRISSCROSS....*		3	6	1-31	13	1.0	18,078	3.62	654	8	27	+541	+.01	+21 +34
09-21-66 1378594 4529397 1-73					7		16,295	3.59	585					
1520001 KIMVALE ORLO SEARS OTHELLO....	41-01	9	2	1-41	13	1.0	15,302	3.57	546	0	37	+169	-.03	+2 +7
02-19-67 1348259 5447283 5-73					35		14,897	3.65	544					
1520007 SHANGHIGH JA-BOB CLASSIC IVAN.*		1	11	1-31	11	1.0	15,088	3.87	584	27	18	-251	+.05	-2 -9
03-09-67 1418927 5437+71 1-73					30		16,704	3.65	610					
1520028 MICHIGAN JUST RIGHT SPARTA....		1	10	1-34	10	1.0	15,999	3.36	537	50	18	-81	-.01	-4 -6
03-18-67 1411734 5417411 5-73					19		16,694	3.43	573					
1520094 BRIGEEN ROYAL PATRICIAN.....		1	18	1-11	18	1.0	13,269	3.75	498	0	20	-36	+.01	0 -1
06-06-67 1254887 6163112 5-73					21		13,348	3.72	497					
1520111 NORLO WILBUR COCHRAN MODEL....*		1	10	1-23	10	1.2	13,288	4.15	551	10	19	-379	+.03	-10 -20
01-27-67 1392654 5664812 1-73					42		15,437	4.04	623					
1520146 HAGEMANS BUSTER.....*		4	4	2-35,72	10	1.0	14,531	3.50	508	20	27	-363	+.02	-10 -19
03-11-67 1215402 5971021 5-73					25		16,073	3.43	552					
1520155 SIMPSONS APOLLO ARROW.....	72-01	49	2	4-52,55,	72	1.0	12,866	4.04	520	22	76	-1,611	+.40	-7 -55
04-17-67 1399824 4625057 5-73				65,72	33		15,066	3.53	532					
1520161 NICOLK SUNSHINE BOLO CHIEF....*	21-10	62	2	6-11,12,	76	1.0	17,265	3.84	663	13	78	+1,130	+.23	+76 +97
03-23-67 1436271 5879716 5-73				13,14,21	29		15,971	3.58	571					
1520162 NICOLK ROYAL COMET.....	21-10	33	1	6-11,12,	36	1.0	16,526	3.53	584	11	64	+541	-.02	+17 +30
06-12-67 1070036 4450473 5-73				14,16,21	34		15,822	3.55	562					
1520180 ARLINOA CHIEF JAY.....		1	14	1-93	14	1.0	18,293	3.67	671	14	19	+51	+.02	+5 +6
06-04-67 1427381 4496000 5-73					186		18,434	3.59	661					
1520285 STEFFENS CHIEF CROSS.....*		4	6	1-42	13	1.2	13,253	3.58	474	23	29	-508	+.03	-23 -34
11-11-66 1378594 5384846 5-73					14		15,049	3.73	561					
1520311 BIRCH-WAY ELSIE CITATION.....		1	11	1-32	11	1.5	13,971	3.89	543	9	20	-259	+.03	-5 -12
02-06-67 1485550 5098208 1-73					10		15,349	3.78	580					
1520318 NEKOOA-VIEW KINGPIN LAUXMONT..*		1	20	1-23	20	1.4	14,841	3.60	535	20	23	-41	-.02	-4 -5
05-20-66 1347940 4294439 1-73					12		15,097	3.72	561					
1520325 AUGLAIZE PRINCE.....*		1	10	1-31	10	1.0	12,137	3.92	476	20	18	-273	+.03	-6 -13
01-14-67 1315612 5304754 5-73					10		13,604	3.77	513					
1520341 NUNESDALE DOUBLE O.....*	91-13	23	2	5-82,87,	31	1.0	16,659	3.56	594	12	58	+330	-.08	0 +10
09-27-66 1459513 4451693 5-73				91,92,93	48		16,294	3.71	605					
1520349 AYRMOR CHIEF.....*		2	8	1-51	10	1.0	14,411	3.69	532	33	20	-292	-.04	-16 -22
01-17-67 1397517 5687369 5-73					18		16,081	3.92	630					
1520355 RAG APPLE DESIGN OICK.....		1	13	1-51	13	1.4	16,746	3.33	558	40	21	-203	-.02	-10 -14
02-28-66 1357743 5894604 5-73					19		18,130	3.42	619					
1520365 MYR-LEA SKYMARK.....*		1	11	1-23	11	1.0	11,551	3.95	456	27	18	-313	+.01	-10 -18
04-07-67 1441148 5560165 1-73					30		13,153	3.94	518					
1520373 ROSE-E-VUE GLAMOUR BOY.....	21-10	45	1	6-11,13,	51	1.1	15,198	3.61	548	20	72	-218	+.03	-3 -9
02-01-67 1282185 4462744 5-73				14,16,21	27		15,626	3.57	558					
1520393 RON-WRIGHT IVANHOE ROAMER.....*		2	9	1-41	11	2.4	14,822	3.88	575	13	25	-80	+.04	+3 0
09-24-65 1287090 5397847 5-73					6		15,226	3.74	570					
1520417 LAWCREST SUPREME ADMIRAL.....*		1	17	1-23	17	1.1	17,242	3.61	622	24	21	+248	+.03	+14 +19
02-13-67 1237057 4738830 5-73					74		16,212	3.45	559					
1520461 ROCKMAN SHALIMAR NOBLEMAN.....*		1	14	1-43	14	1.2	15,945	3.46	552	0	20	+223	-.01	+7 +12
04-23-65 010275932 011536850 1-73					51		14,905	3.46	515					
1520470 MENARD BURKE BELL PLATO.....		1	13	1-35	13	1.1	13,147	3.95	519	20	19	-366	+.04	-7 -17
07-01-66 1314767 5462200 5-73					28		15,110	3.75	566					
1520496 COLOSPRINGS FURY REGENT.....*		2	6	1-51	10	1.9	16,149	3.60	581	30	27	+164	-.04	0 +5
04-06-66 1339464 4574136 5-73					62		15,669	3.78	592					
1520497 COLOSPRINGS SUPER8 SARGEANT...*		2	15	2-51,54	17	1.2	15,788	3.97	627	13	23	-259	+.08	+2 -6
02-01-67 1473654 5591706 5-73					79		17,219	3.65	629					
1520498 MO-CLEAR-SPRING CHARMING SAM..*		3	9	2-23,51	16	1.7	13,151	3.64	479	7	32	-186	.00	-6 -11
05-03-66 1357743 5393177 5-73					14		13,672	3.64	498					
1520512 BAR-J-E MEL CHARLIE.....		1	17	1-93	17	1.0	11,535	3.55	410	76	20	-703	.00	-26 -43
04-25-67 1438738 5072797 5-73					64		15,092	3.64	549					
1520523 BADGER REFLECTION MAPLE.....*		1	12	1-33	12	1.1	16,480	3.89	641	22	19	+604	+.01	+24 +38
03-17-66 010260008 011424610 5-73					20		13,180	3.92	516					
1520594 REFLECTOR CRISSBOY VIGO.....		1	20	1-35	20	1.4	14,714	3.72	547	25	23	-306	-.03	-15 -22
11-25-66 1298430 6176955 5-73					23		16,251	3.88	630					
1520599 REFLECTION P V SUPREME.....		1	12	1-47	12	1.0	14,725	3.50	516	8	19	-321	+.01	-10 -18
12-15-66 1347065 6279481 5-73					23		16,688	3.49	583					
1520607 ROUND-OAK CITATION.....	52-01	17	1	3-21,23,	20	1.1	14,573	3.60	525	11	49	-145	+.03	-1 -5
04-05-67 1492073 5319994 5-73				52	28		14,925	3.55	530					
1520633 IOA-ROYAL A B C INKA MAY-TWIN.*		1	21	1-82	21	1.7	17,940	3.57	640	0	24	+434	-.02	+12 +23
08-08-65 1276654 5178709 5-73					31		16,333	3.65	596					
1520642 HEMONOS CHIEF OON.....		1	15	1-11	15	1.5	11,476	3.71	426	20	22	-248	+.01	-8 -14
03-26-66 1397517 4713468 5-73					20		12,439	3.71	460					
1520716 HY-OON MARQUIS PRIDE.....		1	12	1-73	12	2.0	18,682	3.25	607	0	23	+231	-.09	-5 +3
08-20-66 1459996 5290523 5-73					28		18,058	3.57	644					
1520746 KAR-BO FOBES COLANTHA.....*		1	10	1-35	10	1.6	14,362	3.82	549	10	21	-295	+.07	-1 -10
01-15-67 1426563 5860613 5-73					23		15,964	3.54	565					
1520763 SPRENG SUNSHINE IVAN.....*		1	12	1-31	12	1.5	16,093	3.44	554	17	21	+293	-.04	+4 +12
11-06-66 1418927 5991023 5-73					24		14,732	3.64	536					
1520778 OON-AUGUR MARSHAS MARQUIS.....*		4	4	2-21,23	11	1.3	17,883	3.51	627	18	29	+41	.00	+2 +3
02-07-67 1459996 4821413 5-73					33		18,115	3.49	632					

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF OAU /HO	STATES NO- WITH MOST OAUS	... OAUGHTERS AND HEROMATES ... OAUS	REC/OAU HEROMATE	MILK	%	FAT	% LST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1520789 MILLERHURST FOUNDATION.....*		4	5	3-14,16,	17	1.1	16,190	3.71	601	0	35	+136	+.01	+7	+10
01-20-57 1252985 4491725 5-73				21	30		15,958	3.69	589						
1520806 R & L IOEAL FURY JR-TWIN.....*		5	4	2-47,48	15	1.7	14,331	3.78	541	7	38	-532	+.06	-11	-25
11-25-65 1361027 4899223 5-73					15		15,892	3.64	578						
1520821 LORENZEN NOEL SPARKY.....		1	10	1-41	10	1.5	14,920	3.43	512	10	20	-145	-.01	-7	-10
02-01-67 1315498 5864576 5-73					11		15,787	3.53	558						
1520822 LORENZEN PRIDE KING ADMIRAL...*		2	11	2-35,41	14	1.1	14,434	3.42	494	14	23	-87	-.02	-6	-8
03-14-67 1237057 5455018 5-73					14		14,856	3.54	526						
1520830 WILLAROS TOP HAT.....		1	13	1-35	13	1.0	16,890	3.32	560	8	19	-83	-.02	-6	-7
03-26-67 1441253 5293873 5-73					24		17,657	3.42	603						
1520832 SILVERWOOD CITATION ORBIT.....*	35-05	4	5	1-14	13	1.5	19,927	3.61	719	8	33	+666	-.06	+15	+32
10-29-66 1492073 5807758 5-73					31		18,294	3.77	690						
1520835 CABIN-CREEK-S OEAC OAVIO.....*		1	11	1-73	11	1.0	15,165	3.46	525	0	18	-29	+.03	+3	+2
02-25-67 1391173 5449174 5-73					33		15,433	3.28	506						
1520914 GLADEVALE ROBURKE POSCH.....*		1	10	1-51	10	1.2	15,366	3.90	600	10	19	+20	+.04	+6	+6
10-18-66 1376810 5183760 1-73					120		15,353	3.75	576						
1520934 JOLJOI CAPTAIN NOEL BLACKY....		1	21	1-93	21	1.3	17,470	3.55	620	10	23	+41	+.04	+7	+7
08-23-66 1315498 5821816 5-73					186		17,610	3.39	597						
1520936 JOLJOI MADCAP ALSTAR.....	35-75	1	17	1-93	17	1.0	18,822	3.60	677	29	20	+326	+.04	+17	+24
04-05-67 1261857 5214008 5-73					184		17,520	3.44	603						
1520951 WELLSLAND GLORY E.....*	21-10	45	1	5-11,13,	49	1.2	16,097	3.55	571	19	72	+238	-.02	+6	+12
01-27-67 1282185 4863226 5-73				14,16,21	26		15,919	3.57	568						
1520970 WEISS-ACRES IMPRESSIVE BENABLE*		2	9	1-21	12	2.0	14,216	3.69	524	0	27	-81	+.05	+4	+1
11-24-65 1312008 5651601 5-73					36		14,537	3.49	507						
1520993 JRGIEL FARM MARQUIS KING.....*		2	9	1-14	11	1.0	12,964	3.57	463	9	20	-419	+.04	-10	-21
05-05-67 1459996 5137256 5-73					16		15,139	3.43	520						
1520999 MAYLEANNE BARON.....*		5	9	2-12,13	21	1.1	15,457	3.73	577	18	33	+95	-.02	0	+3
08-18-66 1308796 5784183 5-73					33		15,256	3.82	583						
1521006 CHAPEL-BANK LYNDON.....*		1	11	1-21	11	1.1	15,681	3.44	540	9	19	+82	-.01	+2	+4
07-20-67 1459996 4817525 5-73					33		15,333	3.46	530						
1521022 CLAYACRES ROYAL STAR SEVEN....*		3	12	1-34	17	1.2	14,488	3.59	520	0	26	-45	.00	-2	-3
09-10-65 1436763 5906946 5-73					12		14,699	3.64	535						
1521032 APPLE-ACRES MISTERY BARON.....*		1	18	1-41	18	1.1	14,494	3.84	556	0	21	-73	+.03	+1	-1
09-18-66 1346121 5517985 5-73					18		14,898	3.73	556						
1521105 STAR-CORNERS GRAPHIC JEWEL....		2	6	1-34	11	1.6	14,744	3.63	535	10	27	-254	-.02	-12	-18
07-28-66 1320015 5667038 5-73					12		15,821	3.72	589						
1521134 MAPLE-OAK CAESAR IRENE EARL...		1	11	1-11	11	1.0	15,386	3.69	567	0	18	-270	+.01	-8	-15
03-04-67 1481472 3758979 5-73					22		17,149	3.67	629						
1521141 PACLAMAR NET PROFIT.....*	93-19	5	6	1-41	17	1.0	18,847	3.59	677	6	33	+989	-.08	+24	+50
07-01-67 1396617 5925788 5-73					16		15,991	3.83	612						
1521164 PENNINGS SOVEREIGN ASTRO-TWIN.*		2	7	1-23	10	1.0	12,781	3.60	460	10	21	-162	+.04	0	-5
02-05-67 1458744 4505381 5-73					13		13,458	3.39	456						
1521206 SALINE-VALLEY C JUPITER-TWIN..		3	10	1-48	21	1.1	12,922	3.62	468	25	31	-796	+.08	-18	-39
04-13-66 1324328 3909405 5-73					25		15,626	3.40	532						
1521214 MINNECHAUG MYRON BEETS.....*		1	10	1-16	10	1.6	18,289	3.76	687	10	21	+141	+.01	+6	+9
01-19-67 1279964 5454629 5-73					53		17,956	3.74	672						
1521234 SAR-BEN REFLECTOR BANJO.....		1	20	1-92	20	1.1	17,157	3.44	591	30	21	-17	-.03	-5	-5
01-13-67 1350414 5484677 5-73					43		17,557	3.59	631						
1521242 OUR-PRIDE IRVINGTON EONA ROY..*		1	20	1-16	20	1.9	16,852	3.24	546	5	25	+288	-.06	+2	+10
09-02-65 1237057 4704805 5-73					21		15,847	3.42	542						
1521243 BURLEY ROBURKE JIM.....	35-75	17	1	8-31,35,	19	1.0	16,285	3.60	587	11	48	-296	+.03	-7	-15
01-03-67 1182696 4410605 5-73				41,55,93	59		17,184	3.57	614						
1521260 SHADYVALE ROYAL BIRCH.....*	23-13	22	1	2-22,23	26	1.0	16,205	3.80	615	4	55	+610	+.05	+30	+43
05-31-67 1225575 4341355 5-73					36		15,183	3.73	566						
1521261 SHADYVALE SIR COMET.....	31-07	12	1	1-34	13	1.0	15,971	3.63	579	31	39	+349	-.02	+10	+19
06-20-67 1370036 5381896 5-73					12		15,152	3.68	558						
1521277 WAYNE-SPRING HIGHCALIBER.....*		3	13	1-31	17	1.1	14,484	3.69	534	0	24	+9	+.03	+5	+4
08-03-66 1246183 6191834 5-73					49		14,453	3.53	510						
1521307 ST CROIXCO FOBES MELLO.....		2	13	2-35,86	15	1.0	14,692	3.95	580	29	21	-3	+.08	+12	+10
09-12-66 1287090 4527174 5-73					20		14,744	3.56	525						
1521339 FRIEDEL CARNATION REFLECTION..*		1	18	1-50	18	1.7	11,407	3.54	404	18	24	-143	.00	-5	-8
08-21-65 1445718 4728864 5-73					22		11,747	3.56	418						
1521356 FOXHO MAJESTY STAR MAN.....*		2	11	1-46	13	1.2	14,111	3.13	442	17	22	-494	-.01	-19	-31
02-17-66 1410984 5134514 5-73					14		16,589	3.23	536						
1521360 LIME-HOLLOW SENSATION OEAN....	35-75	15	1	11-21,23,	17	1.0	16,135	3.50	564	12	45	+9	-.07	-10	-8
06-02-67 1415405 3507103 5-73				41,55,93	43		16,306	3.66	596						
1521385 MARVADOR IVANHOE MARQUIS.....		1	17	1-52	17	1.4	14,495	3.16	458	31	22	+8	-.06	-8	-6
01-23-66 1459996 5800726 5-73					21		14,466	3.45	499						
1521390 ARTEVEL SKYLARK RAINBOW.....	35-75	3	7	1-93	18	1.0	20,494	3.69	756	6	32	+580	+.01	+23	+36
03-09-67 1239242 5508009 5-73					88		19,147	3.67	702						
1521397 WEIGELINE PONTIAC JOE.....*		2	7	1-42	10	1.2	12,948	3.99	516	0	22	-96	+.04	+2	-1
09-06-66 1475526 5905476 5-73					43		13,272	3.81	505						
1521403 NORCLIFF TEXAL MAPLE ROYAL....*		1	12	1-86	12	1.0	17,305	3.66	633	25	19	+2	+.02	+3	+3
05-03-67 1483540 6286476 5-73					150		17,617	3.56	627						
1521425 FREE-WORLD KEENO ROCKMAN.....*	23-13	79	1	7-14,22,	99	1.0	15,187	3.56	541	14	83	+95	-.10	-11	-6
03-27-67 010275932 5195054 5-73				23,34,57	28		15,147	3.69	559						
1521434 JESSUPS ROYAL REFLECTION.....*		2	9	2-32,61	12	1.0	7,994	3.47	277	0	22	-805	+.01	-28	-47
07-11-65 1305460 5565882 1-73					40		11,352	3.50	397						
1521467 PENN-OCTO KENNY.....*	23-09	5	26	2-21,22	37	1.2	16,953	3.56	603	22	30	-17	+.04	+5	+4
10-22-66 1389471 5512989 5-73					48		17,304	3.43	594						
1521468 ROELAND REFLECTION TABUR.....*		3	21	2-23,86	26	1.1	12,934	3.64	471	76	26	-739	+.04	-21	-40
03-15-63 010229512 011038931 1-73					127		15,959	3.50	559						
1521471 ASHCOMBE REFLECTION REGAL.....*		1	13	1-23	13	1.0	12,624	3.90	491	31	19	-373	+.02	-10	-20
06-18-67 1296576 4343380 1-73					60		14,593	3.77	550						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF OAU /HO	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... OAUS HM/OAU	REC/OAU HEROMATE	MILK	%	FAT	% INC	1ST	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1521477 ROGA IVANHOE STAR.....*		1	18	1-23	18	1.3	15,248	3.31	504	6	22		+159	-.06	-3	+2
12-29-65 1441440 5395256 5-73					38		14,546	3.57	520							
1521501 IDYLLIC CAPTAIN ROYAL.....		1	12	1-41	12	1.0	13,929	3.83	534	25	19		-254	+.04	-3	-10
04-14-67 1454220 6190181 1-73					24		15,398	3.62	557							
1521511 HANOY-FARMS PRIDE RAKY.....*		3	5	2-13,21	11	1.4	15,031	3.43	515	0	27		-54	-.01	-4	-5
09-20-66 1282262 6224745 9-72					30		15,293	3.50	536							
1521581 MOO-HAVEN M FREDDIE.....*		4	4	2-23,51	10	1.2	13,480	3.93	530	30	28		+34	+.04	+7	+7
11-27-66 1459996 5586872 5-73					49		13,243	3.81	504							
1521646 HI-LINER GALLANT COUNT.....*		1	15	1-42	15	1.1	13,823	3.44	476	13	20		-131	-.01	-6	-9
03-10-67 1329588 5729064 1-73					15		14,494	3.50	508							
1521648 SUNNYSIDE-M ZEUS.....	41-01	49	1	3-41,42,	56	1.1	13,724	3.64	500	27	74		-928	+.05	-27	-50
10-10-66 1206797 3745107 5-73				46	20		15,054	3.59	540							
1521653 LEEVALE PRINCE A G B.....		2	12	1-42	14	1.4	12,138	3.57	433	8	23		-284	+.02	-8	-15
12-11-66 1414747 6139979 5-73					9		13,270	3.52	467							
1521724 NOBLE TY-VIC.....*		4	8	1-21	14	1.5	14,642	3.73	546	13	29		-541	+.08	-8	-23
08-26-65 1326163 3409811 1-73					15		16,718	3.49	584							
1521776 OUNWORKEN LUCIFER PILOT.....	35-75	28	1	11-32,35,	34	1.0	16,116	3.88	625	15	62		-238	+.19	+18	+8
04-15-67 1251857 5425076 5-73				41,55,93	64		16,736	3.61	605							
1521786 CROMDELL WINTERTHUR HOPE.....*		3	9	1-23	15	1.5	14,076	3.78	532	8	29		-382	+.06	-5	-16
08-20-65 1243697 5817544 5-73					14		15,507	3.60	558							
1521839 MILLERHURST CRISSCROSS TORO...*		4	4	1-21	11	1.1	17,379	4.00	696	9	28		+233	+.12	+26	+28
10-22-66 1378594 5362046 1-73					32		16,781	3.64	611							
1521873 UTAG SKYLARK JACKPOT.....*	35-05	11	6	5-33,35,	22	1.2	14,572	3.62	528	9	40		-282	-.02	-13	-19
01-08-67 1239242 5945252 5-73				42,81,87	44		15,375	3.69	567							
1521889 PLANKIE ADMIRAL ADELE ARN.....		2	6	1-35	11	1.0	13,374	3.27	437	44	25		-219	-.08	-19	-22
12-17-66 1440956 5551375 5-73					13		14,248	3.62	516							
1521910 S-C-P REFLECTOR CYCLONE BLOOM.*		2	9	1-56	11	1.0	14,585	3.80	554	9	20		+89	-.02	0	+3
06-17-57 1381027 6006185 5-73					73		14,113	3.95	557							
1521927 G-S-S HONEYMAN DOMINATOR.....*		1	12	1-42	12	1.0	15,427	3.35	517	27	19		+14	-.01	-1	0
10-31-66 1265694 6152327 5-73					55		15,459	3.42	529							
1521938 DAYLAND FAMOUS LEADER.....*		1	13	1-87	13	1.0	17,645	3.30	583	0	19		+231	-.03	+4	+10
12-27-66 1330987 5042993 5-73					27		16,655	3.40	566							
1521957 FARMSTEAD REROYAL IKE.....*		7	2	1-34	12	1.0	15,273	3.61	552	8	34		-114	-.01	-6	-8
03-19-67 1192713 3765696 5-73					28		15,748	3.66	577							
1521958 LARRYDALE TELSTAR GALAXY.....*		6	11	4-82,87,	19	1.0	17,927	3.69	662	0	28		+530	+.04	+25	+37
06-18-67 01D288790 5401713 5-73				91,93	25		16,239	3.57	580							
1521994 STAR-SUMMIT ROCKET LEN.....*		1	14	1-34	14	1.0	17,531	3.41	597	**	19		+261	-.02	+7	+14
08-30-66 1476673 5675035 5-73					25		16,377	3.46	567							
1522C16 HALO CHAMP WINNER.....*		2	18	1-21	20	1.8	13,974	3.67	513	5	26		-212	-.01	-9	-14
09-04-65 1339540 5116351 5-73					49		14,836	3.74	555							
1522036 MARCREST CANOYMAN.....*		2	11	1-93	13	1.0	16,054	3.58	574	15	21		-434	-.01	-17	-27
05-19-67 1381027 6139591 5-73					50		18,571	3.64	676							
1522076 LA-MARCH PONTIAC REX.....*		1	11	1-32	11	1.0	12,409	3.63	450	0	18		-374	.00	-13	-22
07-25-67 1462212 4710208 1-73					24		14,475	3.64	527							
1522097 HALJOY PRIDE SGS SUNLINER.....*		3	8	1-11	11	1.0	15,961	3.67	586	0	22		+14	+.01	+2	+2
07-23-67 1282262 5908409 5-73					30		16,064	3.63	583							
1522124 RAESTONE SENSATION HOLLY.....*		1	10	1-23	10	1.2	15,933	3.75	598	20	19		+129	+.03	+9	+11
02-12-67 1415405 5731527 1-73					22		15,334	3.61	554							
1522203 IDEOGRAPH ROCKET GENERAL.....*		5	5	2-82,87	19	1.3	15,885	3.68	584	5	39		+140	-.03	+1	+5
09-15-66 01D252803 5299187 5-73					21		15,649	3.75	587							
1522255 MACHOLO MARQUIS PABST JAMES...*		2	6	1-21	11	1.0	14,875	3.39	504	0	24		+76	-.03	-2	+1
03-26-67 1459996 4607721 5-73					44		14,582	3.55	518							
1522293 ZIMMERMAN OCEAN STAR PLAYBOY...		1	27	1-31	27	1.3	13,806	3.86	533	15	23		-132	-.01	-6	-9
12-15-66 1433539 5972648 5-73					15		14,375	3.97	570							
1522311 DYKS LOCHINVAR ENSIGN.....		1	15	1-42	15	1.3	14,739	3.49	514	29	21		+209	-.02	+5	+10
09-13-66 1359626 4618981 1-73					9		13,692	3.54	485							
1522330 SEMOG DOUBLE BENEFACTOR CHIEF.	33-03	3	6	1-93	13	1.1	19,537	3.58	699	8	28		+941	-.01	+33	+56
08-23-66 1460725 5774867 5-73					37		16,361	3.59	587							
1522350 FLEETRIDGE GRAND MARCH.....	35-75	19	2	9-16,21,	24	1.0	17,751	3.52	625	8	53		+632	-.01	+21	+36
01-23-67 1277619 5208020 5-73				32,55,93	97		16,791	3.53	593							
1522355 COLOSPRINGS BELMONT BLITZ.....	23-13	33	2	3-51,52,	51	1.0	15,047	3.51	528	8	68		+141	-.12	-13	-6
02-08-67 1035164 4678117 5-73				54	40		14,889	3.71	552							
1522382 MAUR-LINO OUNLOGGIN JAKE.....*		1	10	1-93	10	1.0	17,238	3.98	686	10	18		-266	+.09	+3	-6
08-01-67 1308663 5778376 5-73					85		19,229	3.58	688							
1522447 ACKLEYS SEVENS ALARM.....*	21-10	15	2	4-13,16,	20	1.0	14,726	3.67	541	15	47		+127	+.02	+8	+10
05-01-67 1239242 4981921 5-73				21,31	18		14,454	3.62	524							
1522450 ROCKY RIVER SPECIAL JIMBO.....		2	8	2-21,55	10	1.0	15,223	3.40	517	20	20		-380	.00	-14	-23
09-01-66 1436863 5074642 5-73					8		17,485	3.45	603							
1522456 GLEN-SUMMIT ADMIRAL ALLEN.....*	21-10	54	1	4-11,13,	57	1.0	16,091	3.56	573	21	74		+80	.00	+3	+5
04-04-67 1237057 5299663 5-73				16,21	28		16,160	3.56	575							
1522457 BLUEGILL TEXAL FLOSS.....*		4	11	1-21	18	1.2	17,644	3.21	567	11	28		+433	-.09	+3	+16
07-20-66 1210286 5601055 5-73					28		16,276	3.43	559							
1522503 KAY-JA ROBURKE MARQUIS.....		1	19	1-93	19	1.3	17,931	3.81	683	11	22		-348	+.06	-4	-14
06-11-66 1459996 4750982 5-73					140		20,687	3.62	727							
1522563 RELTUB OARK JOHANNA JOKER.....*		1	17	1-86	17	1.0	17,652	3.65	644	7	20		+260	-.02	+7	+14
01-15-66 1251493 4883706 1-73					67		16,586	3.75	622							
1522574 STAN-WAL PRIDE IVANHOE.....*	21-10	25	1	7-11,12,	27	1.0	14,119	3.41	481	7	57		-508	-.09	-31	-41
04-19-67 1237057 5900531 5-73				14,21,23	21		15,081	3.57	539							
1522595 N-DEL-CEE OUTCHMAN.....*		3	16	1-23	28	1.9	17,491	3.65	638	11	36		+987	-.02	+33	+57
12-01-65 1459996 5514944 5-73					29		14,747	3.72	549							
1522612 J-NEVADA GENERAL ASTRO.....		2	11	2-88,93	13	1.2	14,540	3.60	523	15	22		0	-.01	-1	-1
09-06-66 1409709 5733593 5-73					17		14,561	3.67	535							
1522634 CLARKHOME PERSEUS.....*		4	10	1-93	29	1.1	20,650	3.12	645	0	39	+1,357	-.18	+21	+58	
10-30-65 1461546 5975952 5-73					68		17,448	3.43	598							

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS HM/DAU	REC/DAU HERDMATE	MILK MILK	% %	FAT FAT	% INC 1ST	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1522647 WILEEDA MARQUIS ELMO.....*		5	3	2-21,32	10	1.0	15,531	3.54	550	40	27	-299	+.05	-4	-12
02-28-67 1459996 4879136 5-73					31		16,875	3.40	574						
1522659 MATHIS FURY TWENTY GRAND.....		2	8	1-57	11	1.0	13,766	3.40	468	36	22	-208	-.02	-11	-15
01-02-67 1381027 5507913 5-73					56		14,769	3.55	524						
1522687 EL-VI PHOEBE STEWART.....	21-10	42	1	7-11,13,	48	1.0	15,594	3.66	571	6	70	-121	+.06	+4	0
05-31-67 1175471 4457114 5-73				14,16,21	32		15,922	3.59	571						
1522722 JERGENS COMRE SONNY.....*		1	16	1-41	16	1.1	12,837	4.03	517	19	21	-219	+.06	+1	-6
03-05-67 1242338 5554560 5-73					22		13,850	3.68	510						
1522729 KOZY-MEDO LUCIFER PRINCE.....		5	7	1-32	16	1.1	14,613	3.38	494	13	30	+216	-.05	+1	+7
05-14-66 1290182 4526162 5-73					11		13,842	3.53	488						
1522742 KNOB-VIEW ADMIRAL BURKGDV.....	35-75	14	2	9-33,41,	19	1.0	17,681	3.51	620	5	46	+469	-.05	+10	+22
08-19-67 1237057 5464248 5-73				51,55,93	29		16,918	3.59	608						
1522751 FINCHWAY JANE PRIDE.....		1	11	1-42	11	1.6	15,135	3.38	512	0	21	+56	-.03	-3	-1
01-14-67 1460325 5092657 5-73					4		14,926	3.58	534						
1522776 R-HAROY-FARMS ROYAL MARTER....*		1	12	1-34	12	2.1	11,726	3.51	411	0	24	-170	-.01	-7	-11
07-25-65 1397752 5201270 5-73					36		12,240	3.56	436						
1522826 MIDDLE-ACRES SKY FLYING CLOUD.*		1	10	1-15	10	1.2	18,839	3.66	689	20	19	+351	.00	+12	+20
12-25-66 1397517 5370689 5-73					14		17,236	3.68	634						
1522864 TWIN-MAPLE SYMBOL MARQUIS.....*		2	12	1-34	14	1.3	12,843	3.59	461	50	23	-263	+.01	-8	-15
07-01-66 1459996 5919439 5-73					34		13,974	3.56	497						
1522949 BUTTERFIELD RAG APPLE ALSTAR..*		6	2	1-55	10	1.0	15,554	3.84	598	0	29	+144	+.10	+20	+21
04-23-67 1261857 5915677 5-73					30		15,137	3.50	530						
1522960 JD-QUEN BARB BOOTS.....*		1	16	1-32	16	1.1	15,482	3.72	576	19	20	+51	+.01	+4	+5
10-18-66 1291498 5560684 1-73					15		15,324	3.66	561						
1522971 PARKER MADCAP NOEL.....	41-01	18	1	1-41	19	1.1	14,081	3.54	498	37	49	-520	-.02	-21	-33
04-23-67 1315498 4892809 5-73					19		15,226	3.59	546						
1522976 HARBORCREST SIR JOHN.....*		2	9	1-31	11	1.0	13,525	3.71	502	9	20	-428	-.01	-17	-27
05-09-67 1297169 5289001 5-73					23		15,814	3.80	601						
1522994 VOLHOUDEN ARGYLE.....		2	6	1-91	10	1.1	14,610	3.79	553	10	23	-247	+.01	-8	-14
11-12-66 1324830 4646010 5-73					38		15,824	3.79	600						
1523037 WEBB-VUE DVD JEFF.....*		1	11	1-35	11	1.6	13,695	3.85	527	9	21	-353	+.07	-3	-13
09-25-66 1439142 5305497 5-73					20		15,511	3.55	550						
1523040 DR-WIN ADVANCE.....*		4	4	2-31,34	13	1.1	17,106	3.46	592	15	31	+340	-.08	0	+10
06-29-67 1271557 5246707 5-73					25		16,186	3.70	599						
1523043 SENSATION BOLD FRED.....*		1	11	1-32	11	1.2	15,680	3.56	558	0	19	-140	+.01	-4	-8
11-11-66 1282936 5811722 1-73					31		16,643	3.56	593						
1523127 PARK-FOREST LOUISE KINGPIN....*		2	8	1-52	13	1.1	15,937	3.55	565	8	24	+8	-.01	-1	-1
11-02-66 1347940 5313841 5-73					69		16,072	3.60	578						
1523144 ARTHUR-FARMS EDITOR.....	21-10	41	1	5-11,12,	42	1.0	15,537	3.54	550	10	68	-105	-.02	-7	-9
06-20-67 1239242 4440116 5-73				13,14,21	27		15,838	3.57	566						
1523145 SALINE-VALLEY JULES BLACK BOB.*		1	12	1-48	12	1.3	14,479	3.76	545	25	20	-375	-.01	-15	-24
12-04-66 1480772 4940017 5-73					20		16,601	3.86	640						
1523155 STONEY-LEA SCOT CROSS.....*		4	4	2-51,54	10	1.0	11,967	3.81	456	38	27	-306	.00	-11	-18
06-19-66 1410506 4716971 5-73					14		12,985	3.84	498						
1523177 GREEN-MEADOW SNOWSTORM.....*		10	23	9-21,33,	43	1.0	15,054	3.48	524	10	34	+207	-.06	-1	+5
01-27-67 1459996 5258918 5-73				34,48,74	377		14,448	3.68	532						
1523188 PADE-FARMS REFLECTOR LEADER...*		2	9	1-35	12	1.0	15,338	3.86	592	17	22	+53	-.01	+1	+2
07-15-67 1298430 5056266 5-73					23		15,177	3.93	597						
1523226 BRISTOL UNIQUE SUPREME.....		1	13	1-93	13	1.0	18,496	3.46	640	15	19	-46	+.01	0	-1
03-14-67 1457282 4240700 1-73					142		19,228	3.41	655						
1523249 HOBIRK REFLECTOR BUD.....		1	19	1-32	19	1.2	14,381	3.92	564	8	22	-268	+.03	-6	-13
11-10-66 1298430 4857362 5-73					10		15,756	3.85	607						
1523272 ROSE-BROOK ROSAFE CHIEF.....		1	19	1-34	19	1.4	15,146	4.00	606	0	23	-95	+.02	0	-3
08-16-66 1397517 5938668 5-73					14		15,698	3.92	615						
1523437 JOES-HI-HAT ROMAN MARK.....*		1	12	1-48	12	1.0	13,186	3.81	503	8	19	-36	+.01	0	-1
07-21-67 1459996 6114138 5-73					69		13,276	3.82	507						
1523451 NUNESDALE INKA KEYWAY.....*		3	5	2-31,34	12	1.1	14,754	3.60	532	17	29	+219	-.03	+4	+10
10-27-66 1298430 4890544 5-73					13		13,963	3.72	519						
1523496 TUPPERWAY ODSSIE RAY.....		1	10	1-56	10	1.7	14,376	3.72	535	20	21	-80	+.01	-2	-4
09-25-65 1436271 5386500 5-73					25		14,809	3.73	552						
1523582 STERK EL TORO.....	93-03	13	10	1-93	48	1.1	17,798	3.70	658	20	51	+188	+.04	+13	+16
02-04-67 1356011 5338873 5-73					137		17,768	3.63	645						
1523648 HIGH-MEADOW-FARM SKYMASTER....	21-10	36	1	7-11,12,	41	1.0	16,257	3.60	585	15	67	+531	+.01	+21	+33
03-28-67 1244845 5076948 5-73				13,16,21	26		15,579	3.58	557						
1523653 WINDYLEA KILLARNEY.....*		4	4	1-21	10	1.9	14,788	3.59	531	22	30	-355	+.01	-12	-21
07-02-65 010287392 011388931 5-73					35		16,150	3.59	580						
1523669 FLOWER CITATION CORONET.....*		1	12	1-47	12	1.0	17,508	3.46	606	8	19	+690	-.05	+17	+35
03-26-67 1492073 5990446 5-73					78		13,732	3.76	516						
1523689 ALSANO PONTIAC PILOT.....		1	17	1-32	17	1.0	14,185	3.98	564	0	20	-27	+.03	+3	+2
06-12-66 1261857 4854071 1-73					35		14,315	3.87	554						
1523698 BREWER FARM ILEX VICTOR.....		2	9	1-21	11	1.0	14,608	3.59	524	18	20	+76	-.02	0	+2
11-25-66 1213164 5353729 1-73					60		14,208	3.68	523						
1523711 MARCREST JUBILANT.....	35-75	15	1	8-33,35,	18	1.0	15,877	3.69	586	28	46	-348	+.03	-9	-18
07-28-67 1175471 4476545 5-73				41,52,93	41		16,881	3.66	618						
1523731 O-A-D MINGO.....*		1	12	1-23	12	1.2	13,761	3.63	500	8	19	+87	+.01	+4	+6
03-25-67 1459996 5338405 1-73					15		13,195	3.62	477						
1523742 KOSSMANN MARQUIS HERCULES.....*		5	15	2-33,43	22	1.1	14,657	3.47	508	39	27	-339	-.03	-16	-23
06-06-66 1459996 5591109 5-73					12		16,096	3.58	576						
1523748 PETZOLD RAVIN CHURCHILL.....*		2	12	1-21	14	1.5	11,901	3.91	465	10	23	-364	+.04	-8	-18
01-06-66 1435396 5100400 5-73					24		13,363	3.77	504						
1523756 BLOOMSIDE SKYWANA PRINCE.....*		1	10	1-34	10	1.1	18,526	3.70	686	20	18	+151	+.05	+12	+14
03-30-67 1315612 5553697 5-73					26		18,064	3.51	634						
1523807 OAK RIDGES REGAL IMPROVER.....*	33-03	107	2	28-21,23,	174	1.1	14,869	3.53	525	18	88	-346	-.05	-19	-26
10-06-65 010198998 011268092 5-73				34,35,41	32		15,359	3.59	551						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS HM/DAU	REC/DAU HEROMATE	MILK	% FAT	FAT	% INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1523868 LOCUST-PEAK PROMISE.....*	31-07	18	2	8-31,32,	29	1.1	16,419	3.67	603	10	56	+192	+.05	+14	+17
02-27-57 1210286 6277517 5-73				52,61,84	21		16,262	3.59	584						
1523882 MAPLE-VANE LUELLA GINGER.....		1	12	1-35	12	1.0	18,546	3.78	701	8	19	-44	+.06	+7	+4
03-01-67 1258673 5563385 5-73					28		19,278	3.51	677						
1523936 HEFFERING STELLAR ATTRACTION..*		11	3	8-21,23,	19	1.0	14,707	3.61	531	0	42	-197	+.01	-5	-10
07-15-67 1492073 5808284 5-73				31,34,82	52		15,269	3.58	547						
1523942 ELDONON PRINCE.....*		1	12	1-35	12	1.1	17,572	3.69	649	9	19	+193	-.02	+4	+9
12-01-66 1315612 5823034 5-73					20		16,795	3.82	641						
1524019 GALLATIN S DUKE SONNY.....*		6	7	4-81,82,	17	1.0	16,949	3.30	560	12	32	+515	-.10	+3	+18
07-07-67 1288610 6002043 5-73				83,87	23		15,428	3.58	553						
1524024 KEYSTONE PRINCE BRIGADIER.....*		1	11	1-23	11	1.1	16,259	3.80	618	18	19	+166	+.01	+7	+11
04-15-67 1315612 4360240 5-73					22		15,473	3.79	586						
1524112 NELWOOD MERCURY.....	35-21	18	1	4-35,41,	18	1.0	14,608	3.67	536	17	47	-238	-.01	-10	-15
05-27-67 1210507 5704307 5-73				43,47	19		15,194	3.71	564						
1524190 J & A JUDY CREATION.....		1	12	1-35	12	1.0	14,818	3.66	542	13	19	-25	+.01	+1	0
07-03-66 1280015 4663585 5-73					7		15,019	3.57	536						
1524240 ELEVATION ELROY VEEDICTION....	35-21	22	1	4-32,35,	25	1.0	15,244	3.53	538	16	54	+262	-.07	-1	+7
11-22-66 1210507 4580282 5-73				41,42	27		14,803	3.67	544						
1524382 OREGON-TRAIL RAG APPLE JIM....	35-75	18	1	12-31,35,	18	1.0	16,747	3.54	593	6	47	+489	-.05	+10	+23
07-10-67 1182696 5177335 5-73				41,55,93	26		15,861	3.64	578						
1524386 SAPA-SKA ADMIRAL COMRE.....	41-01	23	1	3-41,42,	25	1.0	14,006	3.58	502	21	55	-604	+.04	-16	-31
08-01-67 1237057 5847087 5-73				46	20		15,184	3.52	535						
1524397 BASSWOOD-SPRINGS RAVEN FOBES..*		2	9	1-33	11	1.0	16,479	3.27	539	9	20	+62	-.09	-11	-7
10-11-66 1157511 4914965 1-73					14		16,367	3.71	607						
1524404 BAR-BROS LIZA SKY ACE.....		1	27	1-48	27	1.3	14,431	3.84	554	4	23	-490	+.04	-12	-25
11-16-65 1289574 4896701 5-73					8		16,775	3.70	621						
1524405 KYLANO CRESTVIEW KOBRA.....*		1	10	1-35	10	1.0	15,648	3.55	556	0	18	+198	-.04	+1	+7
09-19-67 1483844 6378286 5-73					37		14,546	3.79	551						
1524406 BRISTOL ECHO BEAU-TWIN.....*		2	6	1-35	10	1.0	14,271	3.56	508	10	23	-118	-.03	-8	-10
04-21-67 1404688 4921057 5-73					20		14,845	3.73	553						
1524454 OLSONOAHL MONTY LANGE.....*		5	6	3-41,47,	19	1.3	15,522	3.56	552	0	38	+419	-.03	+10	+21
11-16-56 1365058 4899892 5-73				48	21		14,422	3.65	526						
1524521 WESTFALL SUPER STAR.....	23-13	24	2	4-22,51,	33	1.0	15,040	3.78	568	6	60	-64	+.06	+7	+4
06-23-67 1085978 4955147 5-73				52,54	37		15,233	3.68	560						
1524526 KEYWEY WAYNE FORTY-NINER.....*		2	10	1-23	12	1.3	12,578	3.83	482	0	22	-50	+.01	0	-2
10-25-65 1283917 5020056 5-73					17		12,634	3.80	480						
1524597 LONG-HAVEN SEVENS WINTERS.....	31-07	21	1	2-32,34	24	1.0	16,520	3.60	594	13	53	+774	-.01	+27	+46
04-03-67 1239242 5210805 5-73					17		15,146	3.61	547						
1524650 LAKE-LONG HEADMASTER GIN.....		1	14	1-35	14	1.2	13,293	3.65	485	17	20	-207	.00	-8	-13
04-29-66 1349029 4475152 5-73					19		14,304	3.72	532						
1524803 LY-NOL-LANE PILOT 800.....		1	22	1-47	22	1.1	10,977	3.67	403	0	22	-351	+.03	-9	-18
04-08-66 1304049 4892606 5-73					12		12,384	3.56	441						
1524814 MASSIVE-HILLS BARON ARISTOCRAT*		4	22	1-63	32	1.3	16,392	3.64	596	0	30	+169	+.04	+12	+15
02-05-66 1308796 5072937 5-73					54		15,989	3.50	559						
1524838 SKAGVALE REGAL KING PERFECTION	35-75	12	1	7-21,23,	15	1.0	15,749	3.52	555	20	41	-384	-.06	-22	-30
09-25-67 1385225 6639404 5-73				35,91,92	42		16,933	3.66	620						
1524875 VENIOA PEGASUS PETE-TWIN.....		1	15	1-91	15	1.0	12,771	3.55	453	13	20	-406	-.02	-17	-26
12-12-56 1217639 5614131 9-72					103		14,886	3.67	546						
1524942 FAIRWOOD DUKE E-LOU.....*		1	17	1-23	17	1.0	16,568	3.84	636	19	20	+315	.00	+11	+19
07-25-66 1338728 4843879 5-73					34		15,078	3.90	588						
1524955 MO-GAYWINOS WHIRLPIN.....*	31-07	36	1	8-31,32,	45	1.0	15,924	3.82	608	13	68	+142	+.13	+24	+24
04-11-67 1347940 4809125 5-73				33,61,85	31		15,862	3.65	579						
1524956 MO-GAYWINOS MERRY KING.....	23-13	49	2	4-41,51,	71	1.0	16,500	3.62	597	4	76	+980	-.03	+30	+54
06-29-67 1347940 5098869 5-73				52,54	34		15,304	3.67	562						
1524993 HAMKEN PRINCE VALIANT.....*		2	10	1-42	13	1.1	14,500	3.61	524	23	23	+39	-.01	0	+1
03-23-66 1315612 4815477 9-72					11		14,319	3.67	526						
1525091 OTTACRES COUNT SKIPPER.....*		1	10	1-32	10	1.1	15,010	3.78	568	10	18	-162	+.05	+1	-4
10-10-66 1350414 5374492 9-72					8		16,074	3.55	570						
1525093 MAR-TESS SUPREME.....		1	11	1-41	11	1.0	15,255	3.51	535	**	18	-108	.00	-4	-7
02-21-66 1289574 4868826 5-73					14		16,016	3.55	569						
1525099 EASTHAVEN CAPTAIN FURY.....*		12	2	4-31,32,	18	1.2	15,626	3.63	567	12	45	+407	+.01	+16	+25
10-06-66 1381027 5658080 5-73				35,63	15		14,763	3.62	534						
1525128 STRICKLER MAROUIS SHOWBOY.....	35-21	1	13	1-48	13	1.1	15,821	3.69	584	8	19	+358	+.01	+15	+23
05-12-67 1459996 5673218 5-73					24		13,927	3.65	508						
1525241 SHADY-LYNN LEADER WAYNE.....*		1	13	1-63	13	1.9	14,661	3.44	504	11	23	-81	-.01	-5	-7
11-19-65 1297075 4832492 5-73					40		15,078	3.53	532						
1525303 NORZDALE SKYCROSS STONY.....*		2	7	1-22	10	1.1	15,452	3.48	537	10	22	-67	-.04	-8	-9
12-20-66 1441148 4056195 5-73					16		15,914	3.69	587						
1525341 FAIRWOOD BUBBLER LOUIE.....*		2	6	1-23	11	1.0	14,329	4.06	582	0	24	-89	+.04	+2	-1
09-01-66 1468947 5461652 5-73					20		14,735	3.95	582						
1525356 OELLFIELD BURKGOV KIT.....	93-19	7	5	1-93	18	1.0	21,562	3.68	794	11	37	+851	+.03	+36	+55
02-24-67 1473442 4727699 5-73					92		19,816	3.62	718						
1525369 VIGO RAVERION.....	35-75	25	2	11-21,35,	35	1.0	17,995	3.49	628	6	61	+837	-.05	+23	+44
06-11-57 1492073 5012755 5-73				41,55,93	52		16,878	3.55	599						
1525394 ASHDALE RAG APPLE SUPREME.....		1	19	1-41	19	1.1	15,274	3.36	513	47	21	+96	-.04	-3	0
03-07-67 1347065 4729746 5-73					12		14,859	3.57	531						
1525400 HILLHAVEN SUNDOWN-TWIN.....*		1	10	1-51	10	2.0	15,881	3.79	602	20	22	-56	+.05	+5	+2
11-08-65 1406271 6099494 5-73					31		16,336	3.59	586						
1525421 GREEN-MEADOW DIAMOND.....*		3	16	3-34,42,	21	1.0	14,238	3.72	529	10	25	-57	+.01	0	-2
05-09-67 1424022 3806125 5-73				74	361		14,480	3.70	536						
1525509 TYNA LEE MARK IVANHOE EMPEROR.*		1	15	1-57	15	1.3	13,030	3.45	450	20	21	-317	.00	-12	-19
01-05-67 1392774 5104400 5-73					23		14,529	3.50	509						
1525567 ALBERTVILLE PRAIRIE COMET.....*		1	11	1-35	11	1.0	10,975	3.88	426	9	18	-225	-.01	-9	-14
11-13-66 1442477 5935982 1-73					8		11,978	3.99	478						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEIFERS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS HM/DAU	REC/DAU HERDMATE	MILK	%	FAT	%	1ST LACT REPT INC	%	PREDICTED DIFFERENCES MILK	%	FAT	$$
1525612 WENROW ROCKET.....*		3	4	1-11	10	1.0	18,830	3.29	619		10	25	+445	-.09	+3	+16
06-01-67 010291760 011378493 5-73					32		17,367	3.56	619							
1525622 PFI REFLECTOR PRINCE.....		2	26	1-21	28	1.5	17,729	3.45	612		11	26	+391	-.05	+7	+18
08-19-66 1298430 4982227 5-73					63		16,403	3.60	591							
1525640 RAVENWOOD FURY RHYME.....*	23-13	17	1	2-22,23	20	1.0	15,575	3.49	543		10	49	+289	-.10	-4	+5
07-19-67 1339464 5454444 5-73					30		15,049	3.71	558							
1525700 HOYTACRES SANGARO POSCH.....*		2	9	1-34	16	1.0	17,338	3.71	644		25	28	+249	-.01	+8	+14
09-15-67 1336050 6498629 5-73					37		16,661	3.76	626							
1525705 OATS-FARM ALLIANCE.....	93-17	4	6	2-88,93	13	1.1	18,336	3.36	617		8	28	+605	-.07	+12	+28
01-26-67 1417208 4671516 5-73					24		16,392	3.54	581							
1525711 CHURCH-FARM SUNSHINE COUNT....*		2	16	1-43	27	1.2	12,610	3.50	441		7	31	+212	-.02	+5	+11
03-07-66 1406271 5818257 5-73					30		11,654	3.57	416							
1525750 BROWNSON SIR MARQUIS.....*		2	7	1-34	10	1.0	15,259	3.48	531		30	21	+258	-.05	+2	+9
07-01-67 1459996 5060179 5-73					22		14,004	3.74	524							
1525779 GREEN-PASTURES SCO IOEAL-TWIN.	21-10	41	1	6-11,13,	44	1.0	15,831	3.35	531		11	68	+371	-.17	-12	+1
08-18-67 1353507 4251644 5-73				14,16,21	28		15,389	3.59	553							
1525811 AUFDERMAUR SKYCROSS RAVEN.....		1	29	1-93	29	1.1	23,253	3.24	754		18	23	+590	-.02	+18	+33
12-20-66 1441148 4802933 5-73					141		21,336	3.24	692							
1525828 C-S-P-F MAESTRO KING.....*		1	11	1-16	11	1.0	12,314	3.58	441		45	18	-350	.00	-12	-20
05-13-67 1325017 5224198 5-73					80		14,224	3.60	512							
1525841 HOSTETTERDALE CRISSCROSS BURKE*		2	8	1-23	10	1.6	13,976	3.94	550		0	22	-350	+.05	-6	-16
12-17-65 1378594 6382855 5-73					13		15,678	3.74	587							
1525864 GGG EXPECTATION GERONIMO.....*		4	6	1-42	14	1.0	15,500	3.43	532		8	29	+158	-.07	-5	+1
03-03-67 1476170 5690103 5-73					8		15,017	3.70	555							
1525948 BOOWELL ARISTOCRAT WAYOEOC....*		1	19	1-12	19	1.1	13,845	3.63	502		21	21	-306	-.01	-12	-19
03-20-67 1252934 5870341 5-73					56		15,416	3.68	567							
1525963 BABE-FARM SHANGHIGH BARNEY....*		2	13	1-23	15	2.3	17,170	3.77	648		10	27	+452	.00	+17	+28
11-20-65 1339465 4571708 5-73					20		15,611	3.81	594							
1525965 BLOOMSIDE MONOGRAM PRINCE.....*		1	11	1-34	11	1.7	18,938	3.19	604		18	22	+225	-.10	-6	+2
06-18-66 1335787 5072899 5-73					23		18,287	3.55	650							
1525985 NOBROOK BOB BUTTER BOY.....*		1	22	1-23	22	1.1	12,611	3.85	485		5	22	+262	+.03	+14	+19
05-25-67 1375151 5206083 5-73					34		11,072	3.68	407							
1526023 CLARJA MADCAP CRISS.....*		3	7	1-42	13	1.5	13,926	3.58	499		22	28	-419	-.01	-16	-26
12-12-65 1378594 6035149 5-73					11		15,529	3.64	565							
1526102 PINEY-MAR ALPINE.....*	21-10	53	1	7-11,13,	56	1.1	16,377	3.87	633		13	74	+437	+.22	+48	+53
01-18-67 1251857 5475088 5-73				14,16,21	23		15,938	3.60	574							
1526107 DOUBLE-P LEADER TUFFY.....		1	20	1-48	20	1.5	17,534	3.66	642		5	24	+478	+.02	+20	+31
01-28-66 1331709 6083838 5-73					21		15,625	3.60	563							
1526128 WHITTIER-FARMS APOLLO ROCKET..*	23-09	42	2	3-23,50,	62	1.0	16,551	3.42	566		18	73	+1,413	-.18	+23	+62
04-24-67 1399824 4724353 5-73				51	20		14,646	3.66	536							
1526192 RI-VAL-RE PILOT CADET.....*		1	12	1-34	12	1.0	16,491	3.86	636		17	19	+354	-.01	+12	+21
06-05-67 1251857 5534715 5-73					39		14,612	3.94	576							
1526210 BO-CAR ORLO SEARS VERN.....*		1	17	1-21	17	1.5	13,892	3.64	506		14	23	-153	+.03	-1	-5
08-27-66 1348259 6119463 5-73					17		14,582	3.54	516							
1526356 APPLE-ACRES CANARY TIM.....		2	12	1-41	15	1.5	14,650	3.82	559		0	26	-201	+.04	-2	-8
07-31-66 1333502 4674137 5-73					8		15,551	3.71	577							
1526420 ODN-AUGUR VERENA SUPREME.....*	35-75	91	2	27-13,21,	134	1.0	15,590	3.66	570		16	86	-346	+.01	-11	-20
06-29-67 1189870 6162833 5-73				23,32,35	31		16,175	3.65	591							
1526442 ROSE VEGA WING KING.....		9	2	3-35,41,	13	1.2	14,491	3.64	527		50	38	-461	-.02	-20	-30
07-12-66 010260599 011232681 5-73				42	19		15,847	3.72	589							
1526459 ALLO HALLIE SIO GRANDIER.....		1	20	1-82	20	1.4	14,784	3.67	542		5	23	+369	+.01	+15	+23
07-15-66 1277619 5395013 5-73					16		13,019	3.63	473							
1526519 COBLESKILL G8 HARRIET GRANDEUR	21-10	42	1	6-11,12,	48	1.0	16,595	3.50	580		21	70	+550	-.03	+15	+29
10-27-67 1282185 5527220 5-73				14,16,21	24		15,965	3.53	563							
1526550 WA-KE WOODBOURNE BILL.....*		9	1	2-23,52	10	1.7	16,264	3.71	603		14	37	+251	+.03	+13	+18
03-01-66 1336477 5344022 5-73					14		15,719	3.65	573							
1526555 SHELDON-MEL HAYBURNER.....		2	12	1-16	14	1.1	12,247	3.75	459		15	22	-357	+.01	-11	-20
03-22-66 1455299 5002875 5-73					42		13,840	3.70	512							
1526597 WITHERS PRE X MILKMAN.....		1	10	1-41	10	1.0	12,151	3.84	467		0	18	-303	+.02	-8	-16
09-26-66 1418795 5752624 9-72					10		13,811	3.74	517							
1526618 S-C-P FURY CHRIS.....*		3	8	1-56	11	1.0	12,968	3.61	468		9	22	-199	-.08	-18	-21
03-08-67 1331027 4617151 5-73					71		13,824	4.03	557							
1526623 MEI-RJB-BILL IVANHOE RICH.....		3	12	1-47	16	1.1	16,225	3.53	573		0	24	+393	-.01	+13	+23
11-02-66 1464510 5758185 5-73					9		14,596	3.56	519							
1526652 NIEDERJOHNS GLAMOUR BOY RONNIE		2	6	1-73	12	1.0	15,235	3.41	520		17	26	+162	+.02	+9	+12
07-08-67 1282185 5746836 5-73					7		14,622	3.30	482							
1526664 WESTSIDE CARDINAL GOLD-TWIN...*		1	14	1-21	14	1.1	16,909	3.65	618		7	20	+61	-.02	0	+2
07-31-67 1488091 5122764 5-73					49		16,843	3.75	631							
1526678 DIAMOND-S CASANOVA.....*	91-13	14	3	3-91,92,	19	1.0	16,558	3.67	608		5	44	+153	+.02	+8	+11
07-05-67 1282185 4806326 5-73				93	51		16,439	3.64	597							
1526782 TIDWELL BONHEUR PILOT RON-TWIN		1	25	1-57	25	1.2	12,919	3.82	493		12	23	-116	+.03	0	-4
12-16-66 1251857 4820257 5-73					40		13,321	3.67	489							
1526808 AGTEX AJO WINN RAVEN.....*		1	16	1-74	16	1.1	14,955	3.80	568		0	20	-77	+.04	+3	0
11-12-66 1315578 5328605 5-73					39		15,444	3.59	555							
1526842 KEWAUNEE TRIUMPH GYPSY ERIC...*		1	15	1-35	15	1.9	12,359	3.71	458		7	23	-231	+.01	-7	-13
02-23-66 1316533 5128323 5-73					10		13,238	3.71	491							
1526881 EL-KATRINA BELL ROSS.....	93-19	1	31	1-93	31	1.1	19,636	3.38	663		13	23	+606	-.03	+17	+32
11-22-66 1368109 4794019 5-73					121		17,265	3.44	594							
1526882 PRIDE HOMERDALE VICTOR.....*		3	8	1-21	11	1.0	15,858	3.37	534		27	22	-492	+.01	-17	-29
08-21-67 1282262 6079714 5-73					42		18,520	3.39	628							
1526996 SKY-GO GLORIA IVANHOE.....*		3	9	2-43,71	12	1.1	15,523	3.50	543		64	23	+234	-.04	+3	+10
12-14-66 1441441 3680951 5-73					114		14,500	3.66	530							
1527018 R & L IOEAL OUSTY.....		3	10	1-48	16	1.3	15,041	3.62	545		25	28	-225	+.01	-6	-12
12-22-66 1388721 4899223 5-73					29		16,021	3.60	577							

REGISTRATION NUMBER / NAME / DF / BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES AND- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS	REC/DAU HM/DAU	MILK HEROMATE	% MILK	% FAT	FAT	% IST INC	% REPT	PREDICTED DIFFERENCES MILK	% FAT	FAT $$
1527141 BRANLINE CHIEF PRINCE.....*		3	13	2-35,65	25	1.0	13,730	3.67	504	12	32	-2	+.02	+3	+2
12-12-66 1397517 5032168 5-73					19		13,666	3.60	492						
1527164 FO-MA-TO-SA C T B HANSEL.....	35-21	1	11	1-48	11	1.3	18,485	3.82	706	9	20	+399	+.06	+23	+31
12-13-66 1493224 5657057 5-73					9		16,658	3.58	597						
1527189 WARDIN SUPREME WINTER.....	31-07	18	3	3-32,34,	30	1.0	16,174	3.81	617	13	54	-1	+.12	+17	+14
06-19-67 010233528 5343859 5-73				52	28		16,376	3.62	593						
1527242 LAWBRD EMPHASIS WINSTON.....*		2	10	1-21	12	1.2	16,572	3.83	634	17	21	+331	+.01	+14	+22
07-01-65 1445747 6078414 5-73					21		15,088	3.81	575						
1527248 KLEVER ORMSBY SENATOR DOLLAR..*	23-13	75	2	4-22,23,	95	1.0	16,136	3.59	580	15	81	+550	-.11	+4	+20
07-17-67 1357352 4061463 5-73				31,52	21		15,575	3.73	581						
1527252 JERGENS SKY BURKE.....*		3	13	1-41	23	1.4	15,148	3.70	561	13	32	-107	-.01	-6	-8
06-20-66 010256075 5131174 5-73					23		15,612	3.79	591						
1527257 ALSFARM CITATION SUPREME.....*		6	3	2-41,47	10	1.0	15,215	3.54	538	33	28	+82	-.03	-1	+2
05-04-67 010264804 6724127 5-73					22		14,978	3.67	549						
1527278 KNOLLFIELD SKYLARK DUKE.....		1	11	1-35	11	1.0	12,548	3.67	460	44	18	-107	+.01	-3	-6
10-06-66 1239242 4351679 1-73					8		13,002	3.66	476						
1527285 MO-MAPLE-LAWN INKA REFLECTOR..*		4	4	1-51	10	1.0	19,233	3.14	603	10	25	+504	-.10	+3	+18
06-17-67 1298430 5207163 5-73					57		17,558	3.40	597						
1527399 FARNEAR OLLIE SKY CHIEF.....*		1	10	1-42	10	1.2	13,565	3.44	467	10	19	-235	-.02	-11	-16
03-01-67 1357514 6247770 5-73					14		14,883	3.57	532						
1527440 BAUERVILLE MARQUIS DUKE.....*	35-05	5	16	1-48	23	1.3	17,375	3.64	632	5	28	+425	-.02	+12	+23
12-16-66 1459996 5698721 5-73					18		16,032	3.72	597						
1527457 RANDCON CHAMP.....*		1	10	1-61	10	1.1	16,334	3.39	553	10	18	+4	-.04	-5	-4
07-16-67 1363507 6058992 5-73					15		16,527	3.58	591						
1527493 ELLINGOALE CORY.....		1	14	1-35	14	1.8	15,532	3.91	607	9	23	-109	+.06	+4	0
12-28-65 1242338 5246775 5-73					9		16,195	3.69	598						
1527527 O-O BURKE COUNT.....		1	10	1-48	10	1.0	11,225	3.44	386	30	18	-263	.00	-10	-16
11-07-66 1283917 5966390 1-73					18		12,531	3.51	440						
1527529 ADDMORE OELL VAR SEGIS.....		1	13	1-35	13	1.5	17,881	3.85	689	15	22	+214	+.02	+10	+15
02-25-66 1291498 5853355 5-73					19		17,167	3.83	658						
1527542 STRICKLER PACLAMAR SUNSHINE...		1	10	1-48	10	1.1	14,576	3.61	526	30	18	-183	.00	-7	-11
04-24-67 1483723 6280566 5-73					10		15,720	3.66	575						
1527547 OAKWOLD SUPREME BURKE MOOSE...*		1	11	1-34	11	1.5	15,348	3.51	538	10	20	+127	-.07	-5	0
03-08-66 1455940 4325393 5-73					24		14,757	3.90	575						
1527567 PUGET-SOUND R CITATION-TWIN...*	93-19	108	2	22-35,41,	152	1.0	14,750	3.61	532	19	86	-625	-.03	-27	-41
01-08-67 1492073 5126726 5-73				42,85,91	23		15,596	3.65	569						
1527588 TODDHOLME SMITHOLM ROBURKE....*		2	23	1-21	25	1.0	17,556	3.39	595	6	23	+121	-.05	-3	+1
01-18-66 1395908 4416790 9-72					31		17,321	3.60	623						
1527627 OEE-ANN OANDY MAPLE.....*		1	13	1-86	13	1.0	18,162	3.61	655	11	19	+311	-.03	+7	+15
02-01-66 1454434 5649215 5-73					74		16,750	3.74	627						
1527639 HILL-HEIGHTS MARTA SUPERB.....*		1	10	1-21	10	1.0	13,476	3.53	476	0	18	-109	+.01	-3	-6
06-03-67 1366933 4895006 5-73					41		14,063	3.53	497						
1527708 KINGSTEAD HERMES REX.....	31-07	11	2	2-32,34	15	1.0	13,389	3.72	498	40	41	-874	-.01	-33	-54
08-06-67 1236797 3807337 5-73					21		15,665	3.75	588						
1527710 RAVENWOOD M KINGPIN.....	23-13	18	1	2-22,23	19	1.0	15,082	3.63	547	11	48	+221	-.03	+3	+9
10-20-67 1347940 4265243 5-73					20		14,651	3.71	544						
1527715 MUNROES MARIAD MAXIM.....		2	7	1-11	10	1.1	14,099	3.79	534	38	22	-83	+.02	0	-3
12-21-65 1338429 5012244 1-73					10		14,494	3.73	541						
1527718 KODI BURKE MODEL.....		3	4	1-93	10	1.0	17,050	3.66	624	0	26	-399	+.06	-6	-17
09-01-67 1380666 5603998 5-73					111		19,048	3.49	665						
1527748 ZELOENRUST MARQUIS MODEL.....*		4	7	1-32	12	1.0	15,101	3.46	523	8	24	+298	-.05	+3	+11
10-04-67 1459996 6115485 5-73					39		13,835	3.69	509						
1527802 ROUND-OAK RAG APPLE ELATION...	31-07	23	1	2-32,34	25	1.0	16,450	3.68	606	28	55	+366	+.01	+14	+23
06-25-67 1271810 5447492 5-73					19		15,940	3.69	588						
1527925 PENNSHILL FAMOUS KING.....*		1	12	1-23	12	1.0	19,479	3.44	671	0	19	+438	-.05	+9	+21
02-16-67 1491238 6307474 5-73					19		17,426	3.66	637						
1527928 HY-DON REFLECTOR DREAMER.....		1	17	1-48	17	1.6	15,614	2.96	462	19	23	+320	-.08	0	+10
09-14-66 1497719 6166391 5-73					9		14,205	3.20	455						
1528008 TERR-KESS ROYAL PAUL.....		1	11	1-42	11	1.0	13,610	3.61	492	73	18	-54	.00	-2	-3
07-19-67 1365058 5231241 5-73					13		13,857	3.65	506						
1528036 IDACREST FURY PISTOL.....*		2	7	1-82	10	1.0	17,973	3.77	677	10	21	+241	+.03	+13	+18
06-07-67 1381027 6620398 5-73					23		17,110	3.66	627						
1528037 MUELLER PINEY M TORIND.....		1	15	1-41	15	1.0	13,261	3.82	506	33	20	-529	+.07	-10	-24
07-01-67 1383004 4781034 5-73					8		16,127	3.50	565						
1528058 LA-BAR MARSHALL MURRAY-TWIN...*		3	4	1-48	11	1.0	15,865	3.42	542	27	28	+303	-.05	+3	+12
05-09-67 1425137 5205514 5-73					12		14,819	3.58	531						
1528111 ERIE-VIEW C C MARSHALL CHIEF..*		1	11	1-32	11	1.0	13,627	3.84	523	30	18	+17	+.02	+3	+3
03-17-66 1425137 5709931 5-73					12		13,438	3.76	505						
1528129 RO8THOM NEO ROBURKE GREAT.....		1	10	1-43	10	1.0	13,305	3.62	481	11	18	-365	+.04	-8	-18
12-20-66 1436907 4527853 9-72					9		15,482	3.46	536						
1528143 RICVILLE BILLION HEIR.....*		7	8	2-91,93	20	1.0	15,751	3.58	564	25	33	-983	+.03	-31	-55
07-02-67 1459996 3694916 5-73					41		19,186	3.53	677						
1528175 ROLAO CHARLIE BOY-TWIN.....		1	14	1-35	14	1.4	15,425	3.88	599	36	21	-144	+.04	0	-4
08-15-66 1236789 4417262 5-73					10		16,302	3.74	610						
1528202 PAUL-FARM SENSATION.....		2	6	1-32	10	1.3	15,120	3.49	527	10	24	+12	-.03	-4	-3
01-23-67 1489057 4042972 5-73					12		15,144	3.65	552						
1528257 GOJVEIA REGAL EMPERDR.....*	23-13	25	1	4-21,22,	29	1.0	15,970	3.61	577	17	58	+149	-.06	-4	+1
04-20-67 1242221 5444293 5-73				23,93	29		15,861	3.74	593						
1528313 OAIRYFOLKS SOVEREIGN KNIGHT...*		3	9	2-92,93	12	1.0	17,550	3.48	611	8	22	+427	-.06	+7	+19
04-15-67 1242221 5664624 5-73					34		15,764	3.71	585						
1528391 CLOVERTOP CELEBRITY.....*	31-02	23	2	6-31,51,	29	1.0	15,097	3.50	528	4	57	-222	-.06	-16	-20
05-23-67 1246183 4253609 5-73				55,56,58	25		15,639	3.60	562						
1528441 CONEWAGO VALIANT IVANHOE.....	91-13	9	2	3-91,92,	14	1.0	14,810	3.90	577	38	37	-404	+.11	+1	-11
07-29-67 1356229 5427339 5-73				93	39		16,066	3.61	580						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS	REC/DAU HERDMATE	MILK	%	FAT	%	IST LACT INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1528493 DDR-MAR GOVERNOR KINGPIN.....	23-13	33	1	2-22,23	37	1.0	14,196	3.77	535	24	64	-254	+.02	-6	-13
04-26-67 1347940 5507877 5-73					32		14,616	3.76	549						
1528496 JIMBODAY MUTUAL PAT.....		1	15	1-34	15	1.3	14,910	3.23	482	13	21	+138	-.06	-4	+1
01-30-66 1291498 5496496 5-73					13		14,252	3.54	505						
1528502 EDMARAL SKYWHIRL.....	35-75	13	2	7-31,33,	16	1.0	15,566	3.60	560	31	43	-211	.00	-8	-13
09-17-67 1347940 5667840 5-73				35,91,93	73		16,250	3.61	587						
1528503 EDMARAL SKYLINE ROYALTY.....	21-10	35	1	6-11,13,	39	1.0	15,986	3.52	563	10	65	+238	-.05	+1	+8
10-31-67 1192713 5709158 5-73				14,16,21	29		15,757	3.59	566						
1528535 VIJON DONNAMDKA PROFILE.....*		1	13	1-33	13	1.0	12,974	3.73	484	8	19	-105	+.01	-3	-6
10-06-67 1476106 5422835 5-73					26		13,435	3.75	504						
1528615 HILLOCK MASTERPIECE CHIEF.....*		3	8	2-35,58	15	1.0	14,055	3.83	539	21	28	-446	-.01	-18	-28
07-26-67 1397517 4285323 5-73					26		15,809	3.92	619						
1528666 S-C-P KIT GEN BETH.....*		1	13	1-56	13	1.0	15,065	4.18	629	8	19	+29	-.01	0	+1
11-16-67 1357308 4877159 5-73					85		14,972	4.27	640						
1528691 HEWFIELDS JANET CHIEF CLOJD...*		2	12	1-34	15	1.0	15,720	3.49	549	7	23	-71	+.01	-1	-3
05-12-67 1397517 4873676 5-73					33		16,220	3.46	561						
1528695 DAHLCARA KING JEWEL.....		1	11	1-42	11	1.1	13,586	3.72	506	0	19	-250	+.02	-6	-12
11-08-66 1447666 4822894 1-73					6		14,996	3.65	547						
1528725 VIRGINIA-LEE ORTEGA.....	21-10	31	1	5-11,12,	31	1.0	16,834	3.56	600	16	61	+479	+.01	+19	+30
07-13-67 1348259 5278914 5-73				13,16,21	33		16,229	3.54	575						
1528792 STEPPESON DEAN SKYLINER.....*		1	17	1-23	17	1.1	15,321	3.71	568	12	21	-65	-.01	-4	-5
01-24-67 1244845 4726093 5-73					22		15,781	3.80	600						
1528835 BEALLGRAY NOEL AJAX.....*		2	8	1-55	10	1.1	13,978	3.40	475	10	20	-265	+.03	-6	-13
05-20-67 1315498 4477734 5-73					59		15,409	3.32	511						
1528896 TREASURE-VIEW SKYLINER FURY...		1	23	1-82	23	1.0	16,808	3.81	640	**	21	+277	+.03	+14	+20
07-02-67 1381027 5535469 5-73					125		15,630	3.70	578						
1528938 VINEWOOD BLANCO SKY X.....		2	11	1-93	14	1.0	17,587	3.74	658	0	23	-385	+.06	-5	-16
09-15-66 1441148 6330318 5-73					72		19,840	3.54	702						
1528959 BURKHARTS TRIUNE MARK.....*	35-21	3	6	1-48	11	1.0	18,176	3.66	665	0	24	+627	+.02	+25	+39
12-16-66 1393854 5935755 5-73					31		15,655	3.59	562						
1529019 JONESVILLE STAR MAN JAY.....*		1	15	1-21	15	1.0	18,007	3.66	659	0	20	+350	-.02	+10	+19
10-28-67 1410984 5719987 5-73					43		16,435	3.77	619						
1529059 JERGENS ROCKWOOD NIT.....*		1	11	1-41	11	1.2	16,645	3.54	590	18	19	-329	-.02	-15	-22
04-23-66 1416711 5900329 1-73					35		18,816	3.68	693						
1529142 SALLEYHOLM R A REFLECTION.....*		5	8	2-43,48	18	1.2	14,145	3.64	515	0	33	-109	+.01	-3	-6
03-04-67 1402113 5535156 5-73					30		14,493	3.64	527						
1529144 TERRAPIN KINGPIN OVATION A....	23-13	27	1	3-22,23,	31	1.0	13,390	3.83	513	16	60	-1,014	+.08	-26	-52
09-07-67 1347940 4116785 5-73				51	23		15,159	3.71	563						
1529300 WILEEDA BRUCE BRYCE.....	21-16	35	1	7-11,12,	36	1.0	14,727	3.82	562	17	64	-280	+.15	+11	+1
11-24-67 1290716 4666304 5-73				13,14,21	28		15,250	3.59	548						
1529386 YARHOLME RAG APPLE REGENT.....*	23-13	16	1	3-22,23,	18	1.0	14,271	3.74	534	0	47	-206	+.01	-6	-11
08-22-67 1357743 6100151 5-73				31	23		14,751	3.74	552						
1529425 ROBTHOM COMMAND VOYAGEUR.....	41-01	16	1	1-41	18	1.0	14,851	3.49	519	22	46	+218	-.03	+3	+9
08-18-67 1210507 4936782 5-73					21		14,377	3.55	511						
1529597 ROWSDALE SHAMROCK DELIGHT.....*		10	3	4-48,71,	17	1.1	14,340	3.47	497	13	42	+217	-.02	+5	+11
01-08-66 010283698 011342614 5-73				73,74	20		13,754	3.49	480						
1529666 MILK & HONEY PDLIVAN FURY.....*	23-09	41	2	3-23,50,	54	1.0	15,165	3.53	535	26	71	-467	-.12	-33	-41
10-25-67 1381027 5791593 5-73				72	24		15,984	3.69	590						
1529618 DOORCO MASTER ACE ODN-TWIN....		1	10	1-35	10	1.0	13,166	3.69	486	100	18	-146	+.03	-1	-5
07-05-67 1474603 4581859 9-72					19		13,950	3.54	494						
1529633 SHANGHIGH IVAN LUCKY CLARION..*		2	9	1-43	11	1.0	17,262	3.77	650	20	20	-133	-.01	-6	-9
03-05-67 1418927 4668991 5-73					12		18,327	3.84	703						
1529675 SUNHAVEN EMPEROR BARRY.....		1	10	1-51	10	1.0	14,913	3.58	534	20	18	+82	-.01	+1	+3
02-27-67 1392774 4698930 1-73					24		14,459	3.64	527						
1529690 SPRIENS ANNE SEVENS STAR.....*		2	18	1-34	20	1.0	14,924	3.85	575	55	22	-202	+.04	-1	-7
03-02-67 1239242 5631338 5-73					16		16,005	3.68	589						
1529721 BONNIEREST PERSUADER.....*	21-10	49	1	5-11,13,	53	1.0	16,831	3.46	582	8	72	+625	-.07	+12	+29
08-12-67 010260599 5241171 5-73				14,16,21	30		16,142	3.54	571						
1529788 KING OF THE ABCS.....*	33-03	51	2	17-21,32,	66	1.0	15,490	3.48	539	14	75	-38	-.12	-18	-16
08-05-67 010264804 6406549 5-73				33,41,91	27		15,670	3.63	569						
1529793 VOSSLER-DALE INKA PABST DRLD..*		1	21	1-21	21	1.7	16,189	3.56	577	7	24	+120	.00	+4	+7
02-07-66 1348259 5495805 5-73					36		15,839	3.57	566						
1529854 WOODHOUSE SOVEREIGN TRADITION.	23-13	39	1	2-22,23	47	1.0	14,708	3.62	532	17	69	-297	-.07	-20	-25
05-11-67 010260599 5453892 5-73					34		15,223	3.72	567						
1529992 RYNO-HOME COMET SKYLARK.....		2	8	1-23	11	1.0	14,658	3.67	538	9	22	+270	+.01	+11	+17
01-06-67 1239242 4246856 5-73					13		13,315	3.63	483						
1530015 GOPATISTEAD MAXIMUS.....*		3	7	1-33	10	1.0	16,229	3.61	586	10	22	+333	-.03	+8	+17
11-29-66 1352979 5450215 5-73					20		14,712	3.75	552						
1530023 GLENAFTON FLAIR.....*		2	9	1-48	11	1.2	16,525	4.02	664	40	21	-111	+.07	+6	+2
09-19-66 010257240 012014626 5-73					10		17,355	3.74	649						
1530050 BRIGEEN CHIEF LITTLE CHAMP....*		2	8	2-11,14	10	1.0	16,896	3.33	563	10	20	+377	+.01	+15	+24
10-03-67 1397517 6547254 5-73					17		15,025	3.23	485						
1530064 COCHRAN IVANHOE FURY.....*	31-02	27	5	3-21,23,	82	1.0	14,960	3.76	562	18	72	-612	+.18	+3	-16
08-08-67 1381027 5771939 5-73				43	27		15,966	3.52	562						
1530070 SUE-LYNN JRMA A & C REFLECT...*		3	8	2-34,35	11	1.0	14,614	3.58	523	18	22	-237	.00	-9	-15
10-11-67 1238430 5571395 5-73					12		15,648	3.63	576						
1530085 REGAL KING INKA OF SKAGVALE...	35-75	16	1	8-23,32,	18	1.0	15,359	3.44	528	17	47	-474	-.09	-29	-38
06-23-67 010260599 6639406 5-73				35,41,93	39		16,598	3.62	601						
1530211 SHAWS KING PILOT UNA.....*		1	12	1-14	12	1.0	13,483	4.08	550	8	19	-235	+.05	-2	-9
10-18-67 1454800 5817584 5-73					26		14,792	3.88	574						
1530217 MAC-SWAN EARL CAPTAIN.....*		4	8	4-14,16,	13	1.0	15,229	3.47	528	31	24	+316	-.03	+7	+15
11-30-66 1456713 6323935 5-73				21,34	32		13,875	3.57	496						
1530381 GREEN-MEADOW CIRCLE L JIM.....*		1	22	1-55	22	1.6	14,557	3.53	514	9	25	-146	+.04	0	-4
03-29-66 1291028 5645732 5-73					63		15,241	3.41	519						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... OAUS HM/OAU	REC/OAU HEROMATE	MILK	%	FAT	% 1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1530391 SNOOK-HILL ADMIRAL SHANE.....*		2	11	1-21	13	1.1	19,289	3.52	679	8	21	+394	-.02	+11	+21
11-21-66 1237057 5899405 5-73					30		17,760	3.60	639						
1530503 OAK RIDGES SUPREME PROGRESS...*	35-75	52	1	17-21,35,	67	1.0	16,209	3.59	582	13	76	-44	+.01	0	-1
12-08-66 010264804 011846607 5-73				41,55,93	44		16,477	3.58	590						
1530570 ARNEVALE IDEAL SKOKIE.....*		1	11	1-35	11	1.3	11,225	3.50	393	0	20	-230	.00	-9	-14
12-23-66 1475809 4917877 5-73					13		12,188	3.56	434						
1530630 WILBERN IVANHOE JACK.....*		1	10	1-41	10	1.0	12,957	4.36	565	20	18	+21	+.04	+7	+6
03-28-67 1287090 4924763 1-73					14		12,666	4.15	526						
1530696 HOPEHAVEN LUCKY JO.....*		1	10	1-51	10	1.0	11,437	3.49	399	20	18	-449	-.01	-17	-28
11-20-66 1397263 5740115 1-73					36		13,935	3.56	496						
1530697 HOPEHAVEN MARSHALL CITATION...*		1	11	1-51	11	1.0	11,821	3.68	435	18	18	-395	+.02	-11	-21
08-10-67 1425137 5194080 5-73					38		13,953	3.56	497						
1530752 SINKING-SPRINGS BRIGHT PARAGON*	21-10	186	2	9-11,12,	268	1.0	16,161	3.54	572	17	92	+162	-.03	+1	+6
08-25-67 1189679 5201332 5-73				13,14,21	27		16,162	3.57	577						
1530875 M-JAYBEE ROYAL VAR.....*		3	9	2-86,93	13	1.0	21,170	3.36	712	0	23	+471	-.09	+3	+17
08-12-67 1385225 4604280 5-73					137		19,598	3.66	718						
1530998 LONDON GETTIE PRILLY.....*		2	14	1-31	16	1.0	17,424	3.75	654	13	21	+2	+.01	+1	+1
11-22-67 1318452 6117718 5-73					71		17,751	3.74	664						
1531002 SHADY-VISTA MARK BARRY.....*		1	13	1-35	13	1.0	14,938	4.14	619	23	19	-51	-.02	-5	-6
07-06-67 1479723 5221646 5-73					27		15,304	4.35	666						
1531053 BUDDALE TEXAL LEADER.....*		4	6	2-41,47	13	1.0	14,409	3.85	555	15	28	-315	+.03	-7	-15
11-01-67 1333705 6485810 5-73					18		15,668	3.77	590						
1531055 CHAMPLAINSIDE DESIGN ICHABOD..*		2	8	1-13	10	1.0	14,814	3.78	560	0	20	-182	.00	-7	-11
08-24-67 1324992 5331934 5-73					71		15,903	3.84	611						
1531086 FAR-MAR HEADMASTER BURKE.....*		3	5	1-11	10	1.5	15,318	3.73	571	20	26	+192	-.01	+6	+11
06-08-66 1349029 5522005 5-73					31		14,605	3.77	551						
1531088 LAKENOOK DELIGHTFUL MERIT.....*		2	11	1-61	13	1.0	11,402	3.38	385	0	21	-160	-.03	-10	-13
03-27-67 1457473 6160168 5-73					16		11,935	3.61	431						
1531149 IRVINGTON ADMIRAL GLENN.....*		8	10	4-22,23,	26	1.0	15,654	3.68	576	23	35	-95	+.04	+3	0
05-13-67 1237057 5671312 5-73				51,52	101		16,086	3.56	572						
1531194 DELL-MEADOWS DETERMINATION....*		1	10	1-14	10	1.2	17,137	3.36	575	10	19	-153	-.02	-8	-11
08-11-67 1377691 5822892 5-73					30		18,362	3.46	635						
1531211 BOYS-TOWN EMPEROR ABE.....		1	14	1-47	14	1.1	16,619	3.45	573	8	20	+395	-.05	+7	+18
11-05-66 1454302 5107115 5-73					18		14,682	3.67	539						
1531220 BERN-ANN CAPTAIN CROSS.....*		1	12	1-35	12	1.4	14,688	3.33	489	0	21	+2	-.03	-4	-3
02-20-66 1479097 4975919 5-73					18		14,708	3.50	515						
1531251 B & R SHEENA MARQUIS.....		1	22	1-73	22	1.3	16,636	3.70	616	18	23	+14	+.02	+3	+3
03-02-66 1459996 5547306 5-73					33		16,819	3.63	611						
1531274 GREEN-EAST KINGMAKER.....*	21-10	28	1	6-11,12,	33	1.0	16,255	3.50	569	9	61	+209	-.06	-1	+6
12-04-67 1347940 5367738 5-73				14,16,21	22		16,083	3.59	578						
1531325 HEMEN-WAY TOPPER GENTLEMAN....*		4	5	1-92	10	1.0	15,746	3.85	606	0	24	-73	+.05	+5	+2
01-27-67 1471445 5206560 5-73					38		16,243	3.65	593						
1531331 MOJN-GLOW FURY TIOY.....	33-03	3	12	1-93	24	1.0	20,183	3.55	716	4	31	+507	-.02	+15	+28
03-06-67 1381027 4233749 5-73					97		19,008	3.59	683						
1531399 DORWES OCEAN PRIDE.....	35-75	9	1	7-21,23,	11	1.0	16,445	3.70	609	27	34	+47	+.05	+9	+9
10-17-67 1365220 5266887 5-73				35,41,87	31		16,522	3.57	590						
1531436 KAWAWAKA LUCKY CAPTAIN JOHN...*		1	19	1-48	19	1.0	14,817	3.31	491	32	21	+110	-.05	-4	0
03-14-67 1427112 5928269 5-73					53		14,271	3.61	515						
1531477 MAJR-LINO SIR ROBERT.....		2	10	1-93	12	1.0	19,282	3.67	707	0	20	+211	+.04	+13	+17
09-20-67 1383004 4247615 5-73					130		18,678	3.51	655						
1531483 FRIEDENSHEIM BURKE RAG APPLE..		2	8	1-52	12	1.0	16,565	3.82	632	17	23	-60	+.02	0	-2
07-24-67 1239242 5354116 5-73					21		17,095	3.76	643						
1531515 MISTY-MEADOWS QUEEN X CRISS...		1	42	1-35	42	1.7	14,824	3.88	575	2	27	-72	+.02	0	-2
09-19-65 1378594 4653199 5-73					25		15,176	3.83	581						
1531570 THEMELAN LILY MILLIE CHAMPION.		2	7	1-48	11	1.0	15,264	3.56	543	18	23	-252	+.06	0	-8
06-22-67 1458744 4659361 5-73					41		16,579	3.30	547						
1531708 POY-SIPPI RAG APPLE MAPLE.....*		3	8	2-35,72	16	1.0	14,623	3.46	506	19	29	+123	-.03	0	+4
05-12-67 1396406 4830899 5-73					28		14,168	3.56	504						
1531726 LFI VICAR HANSON.....		1	10	1-58	10	1.0	13,073	3.53	461	10	18	-55	+.01	0	-2
03-03-67 1304722 4535754 1-73					314		13,279	3.40	452						
1531738 FREBER SKYCROSS SENATOR CRISS.*		1	12	1-21	12	1.0	15,958	3.37	538	0	19	-16	.00	-1	-1
09-29-67 1441148 6093006 5-73					5		16,246	3.41	554						
1531812 KODIDALE LUCKY ROSAFE PAWN....		1	10	1-42	10	1.8	15,470	3.70	573	10	21	+22	+.04	+7	+6
07-04-66 1359626 5203211 5-73					45		15,474	3.52	545						
1531827 EDGEMAR ROYAL MASTERSTROKE....	93-17	2	25	1-93	27	1.0	16,655	3.62	603	15	23	-244	+.01	-7	-13
07-06-67 1305460 4418136 5-73					184		18,096	3.60	652						
1531874 FRANKIE-T BUTTER BOY IVANHOE..		1	16	1-11	16	1.2	15,568	3.33	518	6	21	+314	-.06	+3	+12
03-01-66 1411214 5096542 5-73					43		14,032	3.57	501						
1531909 NOGALES KICKOVER.....*	23-13	33	2	4-22,23,	42	1.0	15,182	3.52	535	12	66	+13	-.11	-16	-13
03-11-67 1237057 5621650 5-73				50,51	31		15,248	3.71	566						
1531946 J-ARGO MAPLE MONARCH.....	35-75	10	2	8-21,34,	12	1.0	16,563	3.77	625	17	36	+23	+.08	+12	+11
11-14-67 1386406 4608634 5-73				35,55,91	85		16,733	3.59	600						
1531973 EHRS EMPEROR HENRY.....		1	17	1-47	17	1.1	13,952	3.93	548	18	21	+62	+.11	+18	+17
04-14-67 1454165 4520674 5-73					8		13,565	3.36	456						
1532046 OWEN MODEL MAGIC JOE.....*		1	12	1-31	12	1.0	16,651	3.44	572	17	19	+55	-.01	0	+2
09-06-67 1353696 5398025 5-73					67		16,572	3.51	582						
1532206 CLOVER-WILL DELIGHT JUP.....		1	15	1-23	15	1.1	15,889	3.84	610	53	20	-254	+.04	-4	-11
09-17-66 1243697 5365845 1-73					35		17,449	3.70	645						
1532298 DENOVO SUPERB CHANCELLOR.....*		1	12	1-51	12	1.0	14,667	4.39	644	42	19	-627	+.10	-9	-26
08-13-67 1366933 5010237 5-73					23		18,449	3.90	720						
1532349 BETZOLOVALE IVANHOE COMET.....*		1	22	1-41	22	1.4	16,496	3.36	554	5	23	+364	-.06	+5	+15
06-20-66 1289589 5653087 5-73					31		14,977	3.55	532						
1532413 TIMOOCK LENNY GLEN.....		2	9	1-21	18	1.7	11,768	3.55	418	0	34	-586	+.02	-18	-33
03-09-66 1275604 4067295 5-73					24		13,405	3.49	468						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS	REC/DAU HM/DAU	MILK HEROMATE	%	FAT	%	% FAT INC	% REPT	PREDICTED DIFFERENCES MILK	%	FAT	$$
1532415 KEN-RIC PERSEUS KING GEORGE...*	21-10	10	1	5-12,13,	12	1.0	15,520	3.50	543	17	36	-58	-.03	-7	-7
11-17-57 010266599 5967406 5-73				14,15,21	20		15,824	3.60	569						
1532444 MO-CLOVER-BROOK ROYALIST.....*	31-07	27	2	4-50,51,	40	1.0	15,188	3.74	568	18	64	-337	+.07	-3	-13
10-06-67 1357353 5322460 5-73				52,54	38		15,865	3.66	581						
1532535 ATES OIGNIFIED ALSTAR.....*		1	10	1-35	10	1.1	18,177	3.74	680	0	18	+333	.00	+12	+20
06-12-67 1261857 6327461 5-73					16		16,563	3.76	623						
1532672 KINGTONA HANK.....*		1	15	1-31	15	1.1	15,769	3.82	602	17	20	+240	.00	+9	+15
03-17-67 1397868 6194260 5-73					25		14,591	3.86	563						
1532705 NOR-LENE GLAMOUR BOY.....*		1	16	1-32	16	1.1	16,815	3.63	611	13	20	+659	+.03	+28	+43
03-17-67 1282185 6236737 1-73					10		13,425	3.50	470						
1532743 OARMONT CAVALIER NIG.....*		3	6	1-35	11	1.0	16,779	3.64	611	0	24	+526	.00	+19	+32
05-24-67 1483445 5996018 5-73					12		14,576	3.65	532						
1532749 DORLOY DELILAH DUKE.....	35-75	7	2	5-32,35,	11	1.0	17,640	3.47	612	0	33	+512	-.05	+11	+25
01-10-68 1363507 4752777 5-73				41,55,87	16		16,288	3.60	586						
1532839 MAPLEWOOD-CCF STAFFIRE.....*		1	13	1-12	13	1.0	15,730	3.88	610	0	19	-338	+.04	-6	-15
01-19-68 1452615 4297044 5-73					16		17,862	3.69	659						
1532924 GLENVUE OAK RIDGES PROMOTER...*		3	7	1-32	12	1.0	16,593	3.13	520	9	24	+335	-.11	-4	+7
02-17-67 010289340 6754217 5-73					12		15,286	3.56	544						
1533081 UK CHAMPION SKYWRITER.....	35-75	12	1	7-21,23,	13	1.0	15,877	3.46	549	31	39	-294	-.02	-14	-20
10-01-67 1353507 4567391 5-73				33,35,55	40		16,882	3.53	596						
1533085 UK SEVENS OEAN.....	35-75	21	1	10-21,35,	25	1.0	16,284	3.54	576	12	54	+65	-.05	-5	-2
09-06-67 1239242 5489617 5-73				41,82,91	47		16,361	3.63	594						
1533125 JANDER VERA KINGPIN VICTOR....*		1	10	1-23	10	1.0	14,832	3.34	495	10	18	-352	-.03	-17	-25
12-19-67 1347940 4721340 5-73					15		17,098	3.53	604						
1533197 C-VU FURY CHUCK.....		1	10	1-51	10	1.6	16,557	3.48	576	20	21	-90	-.04	-9	-10
05-02-66 1339464 4863170 5-73					52		17,293	3.67	635						
1533204 HARBORCREST ROYAL MIKE.....*		1	13	1-31	13	1.0	16,927	3.53	598	0	19	+237	+.01	+10	+15
02-17-67 1442796 4705688 5-73					34		15,820	3.48	551						
1533233 WIDA NED VEEMAN LOCHINVAR.....*		2	9	1-42	11	1.3	15,064	3.74	563	18	21	+244	-.01	+7	+13
09-10-66 1359626 4724216 5-73					18		13,874	3.85	534						
1533242 WELLABE DIVIDEND ROCKET.....		1	10	1-41	10	1.2	11,871	3.71	440	20	19	-88	-.01	-4	-6
10-19-66 010257174 5874973 5-73					10		12,123	3.80	461						
1533291 WILCURT SKYROCKET.....		1	11	1-52	11	1.2	13,878	3.69	512	27	19	-48	+.01	-1	-2
07-04-67 1239574 6236609 5-73					31		14,106	3.71	523						
1533406 C OAK RIDGES SUPREME.....*		13	2	4-35,41,	16	1.0	14,571	3.91	570	25	42	-269	+.08	+1	-7
12-23-66 010264804 011718491 5-73				42,73	19		15,305	3.75	574						
1533407 SHUR-POLL ALMA KING.....		2	15	1-45	23	1.2	12,639	3.54	448	23	29	-387	+.01	-12	-22
03-25-66 1477271 5736158 5-73					17		13,952	3.51	490						
1533443 C TRAILANE BUD.....*		5	3	1-63	10	1.4	14,293	3.67	524	**	31	-363	+.01	-11	-20
11-25-65 010242033 011647956 1-73					16		15,591	3.65	569						
1533465 EDGEWOOD-HALL REFLECTOR.....		1	11	1-87	11	1.5	15,703	3.50	549	0	20	+250	-.05	+2	+9
02-15-67 1459996 5911132 5-73					2		14,478	3.73	540						
1533498 WITESTAR DOUBLE OEAN.....*		4	4	2-35,72	11	1.0	17,268	3.59	620	9	27	+146	-.02	+3	+7
05-03-67 1396885 6064417 5-73					16		16,991	3.65	621						
1533536 RICHMAN CHARMER PONTIAC.....*		3	9	2-31,61	12	1.2	18,311	3.54	649	33	23	+229	-.02	+6	+12
09-24-66 1357743 5220552 5-73					14		17,647	3.59	634						
1533565 MAPLE-MANOR AAGGIE FELIX.....		3	5	1-34	11	1.0	14,929	3.58	534	9	25	-295	-.01	-12	-19
06-09-67 1457865 5081297 5-73					40		16,293	3.65	595						
1533740 SWEET-HAVEN REFLECTOR LINUS...		1	14	1-93	14	1.0	17,483	3.59	628	7	19	-267	+.05	-2	-10
08-15-67 1298430 5117639 5-73					82		19,368	3.41	660						
1533743 WAJKONA MARQUIS EMIL.....*		5	4	1-91	13	1.5	15,531	3.44	535	0	35	+12	-.09	-13	-10
04-11-65 1459996 5374428 5-73					20		15,619	3.71	580						
1533965 VITOSH MARQUIS INTRIGUE.....		2	10	1-47	12	1.0	13,983	3.89	544	17	20	-393	+.02	-11	-21
04-02-67 1459996 5665810 5-73					59		16,085	3.80	612						
1534101 G-HAROY FARMS XXX SQUIRE.....*		1	14	1-34	14	1.2	11,990	3.54	425	0	20	-168	.00	-6	-10
04-01-65 1378594 5438898 5-73					21		12,642	3.57	451						
1534146 ELPPERHURST EMPEROR.....*		2	6	1-47	11	1.1	16,233	3.52	571	10	25	+422	-.06	+7	+19
01-23-67 1454302 5612971 5-73					15		14,539	3.75	545						
1534190 KOCH MISTER M.....*		1	10	1-31	10	1.0	18,103	3.07	556	10	18	+36	-.11	-15	-11
10-19-67 1493686 6047666 1-73					30		18,288	3.60	658						
1534222 SIDS BELL CHARMER.....*		1	10	1-33	10	1.0	17,219	3.62	623	0	18	+35	+.01	+3	+4
11-22-67 1357743 5435360 5-73					21		17,311	3.55	614						
1534384 GRAY-VIEW CONTINUE CRUSADER...*		3	8	3-35,46,	11	1.0	14,112	4.02	567	0	22	-328	+.06	-3	-12
08-13-67 1502451 5970872 5-73				74	18		15,750	3.75	591						
1534555 VALELAC SKYLINER GENERAL.....*		1	12	1-23	12	1.0	17,386	3.57	621	17	19	+450	-.03	+12	+23
08-29-67 1244845 6153920 5-73					43		15,028	3.75	563						
1534582 OON-AUGUR BRILLIANT NORTH STAR		1	12	1-57	12	1.1	11,994	3.59	430	18	19	-289	+.04	-5	-13
06-08-67 1434788 5671290 5-73					16		13,423	3.40	457						
1534651 SHUR-POLL IRVINGTON LAD P-TWIN*		2	15	1-41	17	1.2	14,275	3.99	569	13	23	-11	+.09	+13	+10
05-12-66 1436189 5082452 5-73					20		14,321	3.57	511						
1534720 KANAWAKA 8G LUCKY MOTTO.....*		1	13	1-43	13	1.2	15,126	3.55	537	0	20	+190	-.03	+3	+8
10-05-66 1410117 4997213 5-73					25		14,140	3.68	521						
1534723 SOO-LAND IRVINGTON IOA.....*		2	13	1-42	18	1.2	15,315	3.26	499	18	26	-181	-.07	-16	-19
02-23-67 1237057 6093249 5-73					11		16,210	3.53	572						
1535121 DAWN-HAVEN LASS CHRIS.....		1	16	1-42	16	1.3	11,557	3.67	425	6	22	-408	+.02	-12	-22
10-24-65 1434397 5455682 5-73					3		13,369	3.59	480						
1535127 GOJOWODO REBEL.....*		2	7	2-43,61	11	1.0	13,494	3.33	449	18	23	-68	-.02	-5	-6
05-12-67 1480892 5189120 5-73					25		13,727	3.42	470						
1535130 KNOLLTOP FLYER.....*		2	10	1-34	12	1.0	15,607	3.72	581	25	20	-778	+.05	-21	-41
11-10-67 1397517 5920741 5-73					27		19,985	3.53	705						
1535158 RALIX CENTURION REFLECTOR BEN.		1	23	1-65	23	1.2	11,935	3.37	401	9	23	-276	+.01	-9	-16
07-31-66 1298430 6316949 5-73					5		12,998	3.35	435						
1535235 P-F BURKE INTENSE.....*	31-02	5	3	1-43	11	1.1	17,529	3.46	607	0	31	+802	.00	+29	+48
10-13-56 1271810 4666922 5-73					29		14,992	3.42	512						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS HM/DAU	REC/DAU HEROMATE	MILK	%	FAT	% INC	1ST REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1535458 MAR-TESS RECOLLECTION REX.....		1	10	1-41	10	1.0	12,989	3.45	448	20	18	-248	-.04	-14	-19
01-29-58 1297169 6267910 5-73					12		14,398	3.69	532						
1535484 CANYAN-VIEW REGAL JUNE FAN....		2	16	1-87	20	1.1	15,318	3.32	509	24	24	-101	-.02	-7	-9
02-04-67 1324688 5163860 5-73					22		15,930	3.42	544						
1535594 C BROWNDALE MASTER-TWIN.....*	33-03	42	7	19-13,21, 23,31,42	70	1.7	14,315	3.58	512	10	69	-168	-.06	-14	-17
05-08-62 010198998 011085334 5-73					20		14,578	3.67	535						
1535735 BURKE FURY DONEGAL.....*		2	11	1-31	22	1.6	16,220	3.66	594	5	35	+156	+.01	+7	+10
11-09-65 1381027 5481982 5-73					17		15,928	3.64	579						
1535771 HIBMOR KING ALEXANDER.....*	23-13	32	1	2-22,23	35	1.0	15,931	3.68	587	14	63	+222	-.03	+3	+9
09-05-57 1347940 3992518 5-73					26		15,710	3.75	589						
1535853 IDEOGRAPH PRINCE COY.....*		4	4	1-82	12	1.0	15,016	3.72	559	8	29	+16	.00	0	0
07-24-67 1315612 6234287 1-73					10		15,026	3.75	564						
1535939 ELM-KNOLL MIGHTY MAIN.....	21-10	24	1	5-11,12, 13,16,21	25	1.0	16,852	3.47	585	20	56	+659	-.05	+16	+33
10-28-67 1282185 5484081 5-73					31		15,806	3.55	561						
1536076 AMADJY A B I IDEAL.....		2	11	1-35	18	1.0	15,072	3.84	579	28	27	-43	-.07	-11	-10
08-03-67 1452111 5474716 5-73					10		15,328	4.14	635						
1536204 NEAR-HAVOEN ODRIC APPEAL.....*	21-10	17	1	6-12,13, 14,16,21	17	1.0	15,994	3.45	551	0	46	+224	-.08	-3	+4
02-27-68 1399824 5601208 5-73					26		15,630	3.61	565						
1536302 ART-ACRES SUNBEAM.....*		3	5	2-51,52	10	1.3	17,206	3.39	583	0	25	+495	-.07	+7	+21
05-16-66 1406271 4662905 9-72					24		15,320	3.65	559						
1536347 NUNESDALE PERFORMER KINGMAN...	93-02	2	10	1-93	12	1.0	15,759	3.54	558	8	20	+32	-.01	0	+1
10-08-67 1459513 4893544 5-73					300		15,738	3.58	564						
1536433 OAK-TREE KINGPIN REBEL.....	21-10	10	1	4-11,13, 14,21	11	1.0	15,042	3.47	522	27	35	-115	-.03	-9	-11
02-01-68 1221835 5475382 5-73					17		15,481	3.57	553						
1536450 ROSE-E-VUE ROCKMAN COUNT.....	21-10	18	1	4-11,13, 16,21	19	1.0	17,181	3.56	611	37	48	+512	+.01	+20	+32
12-11-67 010275932 5739130 5-73					21		16,312	3.53	575						
1536487 WESTEDGE SKYMASTER CHAMP-TWIN.		1	14	1-45	14	1.2	14,576	3.63	529	7	20	-301	+.02	-8	-16
11-04-66 1251140 6067772 5-73					5		16,242	3.55	577						
1536526 ELLENVALE REFLECTION GYPSIE...*		2	7	2-41,46	10	1.0	13,875	3.78	524	20	21	-151	.00	-6	-9
12-02-67 1490488 6473884 5-73					19		14,612	3.85	563						
1536631 EL-KATRINA PIONEER MAXINE.....*		1	13	1-93	13	1.7	15,951	3.64	580	8	22	-75	+.03	+2	-1
08-12-66 1292880 6106062 5-73					141		16,503	3.50	578						
1536646 ROBWEE ROBURKE MARQUIS STYLISH*		6	4	2-16,21	14	1.0	15,566	3.43	534	29	32	-531	+.01	-18	-31
08-08-67 1459996 4755142 5-73					20		17,554	3.44	603						
1536651 WAWACO SPARKIE JOE.....		1	19	1-91	19	1.0	15,904	3.51	558	42	21	-295	+.02	-8	-15
05-15-57 1370898 5004469 5-73					102		17,667	3.45	609						
1536659 MOORE-FARMS SKOKIE GLEN-TWIN..	35-75	12	1	7-21,35, 55,91,93	13	1.1	15,705	3.67	576	8	40	-4	+.04	+5	+4
09-23-67 1282185 5326745 5-73					64		15,864	3.59	569						
1536705 MEERWARTH ROBURKE PRIDE.....*		2	15	1-21	17	1.0	16,019	3.56	570	6	22	-25	.00	-1	-2
06-08-57 1282262 5386866 5-73					41		16,332	3.59	586						
1536712 RILEYS TRIUNE BURKE CHIEF.....*		3	6	3-56,57, 58	12	1.0	14,309	3.44	492	25	26	-110	-.01	-5	-7
07-24-67 1297169 4389601 5-73					35		14,784	3.50	517						
1536811 ST CROIXCO VEEDICTION NED.....	35-21	20	1	4-35,41, 42,47	22	1.0	14,526	3.55	515	27	52	-412	-.07	-24	-32
07-02-67 1210507 5602570 5-73					23		15,424	3.68	568						
1536838 LEPESKA INKA SKYBOY.....		1	10	1-35	10	1.0	15,031	3.65	547	33	18	+65	-.02	0	+2
04-21-57 1331864 5294763 5-73					20		14,663	3.74	549						
1537063 SIMPSONS APOSTLE.....*	21-10	16	1	5-11,13, 14,16,21	16	1.0	15,984	3.55	567	19	44	+49	-.01	0	+1
12-30-67 1399824 4967768 5-73					30		16,039	3.59	575						
1537241 CLARKHOME REBEL PIONEER.....*		2	7	1-93	11	1.0	18,727	3.34	626	18	23	+455	-.03	+12	+24
11-05-66 1340562 5975952 5-73					56		17,022	3.42	582						
1537359 KIEROALE PINEY ADMIRAL.....*		3	9	1-34	13	1.0	15,421	4.12	635	23	23	-347	+.10	+1	-10
03-22-67 1383004 4977003 5-73					23		17,253	3.73	643						
1537775 WINSOR-ACRES LYNDON K.....*	21-10	30	1	5-11,13, 14,16,21	32	1.0	14,876	3.58	533	19	61	-503	+.02	-16	-28
10-13-57 1347940 5370221 5-73					27		15,846	3.57	566						
1537925 HARRISBURG BRUNO.....	21-10	8	1	2-16,21	10	1.0	15,400	3.78	582	0	32	-215	+.05	0	-7
02-04-58 1290716 5037157 5-73					40		16,262	3.64	592						
1538169 SUNNYSHORES A B SKYLINER.....*		1	10	1-35	10	1.0	16,995	3.50	594	0	18	+208	-.02	+4	+10
06-06-67 1331864 5991758 5-73					31		15,981	3.60	576						
1538234 WINLINE CRISSCROSS ROYAL.....*		4	5	2-41,42	13	1.4	13,958	3.93	548	8	32	+41	+.10	+16	+14
11-22-66 1378594 6317102 1-73					13		13,768	3.59	494						
1538336 PALLA-ROSA BOUNO JOE.....		1	10	1-93	10	1.0	17,830	3.51	626	40	18	-118	+.01	-3	-6
10-07-67 1471506 5479879 5-73					152		18,958	3.51	665						
1538519 ERWAY BLACK WATCH FRISKY.....*		1	18	1-23	18	1.6	15,837	3.71	587	17	23	+175	-.01	+5	+9
06-10-56 1457405 6121424 5-73					20		15,155	3.77	571						
1538698 GROFFDALE CITATION ABNER.....		1	14	1-23	14	1.1	12,486	3.75	468	14	20	-59	+.01	0	-2
10-04-66 1425137 5986244 5-73					38		12,610	3.67	463						
1538703 OAK-BENO SENAROYAL PRINCE.....*		1	10	1-41	10	1.0	16,344	3.57	583	10	18	-9	-.02	-3	-3
02-23-57 1484671 5945668 5-73					15		16,624	3.69	613						
1538732 THONYMA SKYMASTER.....	48-01	35	2	1-48	52	1.0	16,225	3.50	568	17	69	+298	-.01	+10	+17
12-15-67 1355784 5891688 5-73					28		15,951	3.50	558						
1538869 CRISTY-LEE RAG APPLE OEMETER..	21-10	25	1	5-11,13, 14,16,21	28	1.0	16,486	3.58	590	18	58	+261	-.02	+7	+14
01-01-58 1386406 5112271 5-73					27		16,216	3.60	584						
1538938 C WENRON TELSTAR TIM.....*	31-07	3	10	2-13,21	22	1.1	17,088	3.73	638	14	33	+239	+.04	+14	+19
03-08-66 010288790 011548815 5-73					38		16,576	3.63	602						
1539197 HARPERS-J HOMESTEAD PRINCE....		1	10	1-42	10	1.1	11,162	3.50	391	20	18	-477	-.03	-21	-32
04-05-67 1501042 6038144 5-73					10		13,721	3.73	512						
1539276 MARLAND AJDACIOUS PRINCE.....		1	16	1-42	16	1.3	11,665	3.71	433	21	21	-365	+.01	-12	-21
11-08-66 1495341 5326185 5-73					13		13,282	3.72	494						
1539348 C SPRING FARM TARTAN BANNER...*	33-03	8	2	6-23,32, 35,41,52	10	1.0	13,700	3.75	514	20	31	-122	+.01	-3	-6
10-26-57 010275932 011288001 5-73					23		14,057	3.76	528						
1539525 U-LANE GENERAL SKYMASTER.....*		2	5	1-41	10	1.0	14,680	3.45	507	10	24	-179	-.03	-11	-14
06-23-57 1251140 5305734 5-73					12		15,559	3.60	560						
1539735 PATCHES-ISLAND ROBURKE DUKE...*		1	11	1-31	11	1.0	13,868	3.61	500	40	18	-473	+.04	-11	-23
11-17-56 1493200 5906232 5-73					8		16,735	3.41	570						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /MO	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS HM/DAU	REC/DAU HEROMATE	MILK MILK	% %	FAT FAT	% INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1539792 ALFLO-FARM FANCY KING.....*		3	8	1-47	11	1.0	16,218	3.80	616	18	22	+410	+.03	+19	+28
06-09-67 1397054 6029927 5-73					40		14,342	3.68	528						
1539917 MARSHVALE CRESCENT TYCOON.....		1	11	1-45	11	1.8	13,485	3.68	496	9	22	-60	+.02	0	-2
08-08-66 1410494 4395324 5-73					9		13,693	3.62	496						
1540154 C ROSEAU VIEW TEXAL MARK.....*		5	10	2-41,46	26	1.0	14,214	3.57	507	17	36	-136	.00	-5	-8
08-17-66 1221226 011152041 5-73					13		14,620	3.58	524						
1540178 MIL-KET FLYING CLOUD.....		1	19	1-54	19	1.1	12,325	3.94	486	26	21	-439	+.04	-10	-22
03-19-67 1397517 5592197 5-73					35		14,402	3.76	542						
1540724 GOUVEIA SUNSHINE.....		1	16	1-93	16	1.2	17,674	3.59	635	20	21	-83	-.03	-7	-8
08-03-66 1406271 5266148 5-73					24		18,483	3.72	688						
1540819 KANZA MATT TONY.....	31-07	10	1	4-31,33,	11	1.0	16,343	3.76	615	0	35	-69	+.03	+2	0
01-06-68 1392858 5165522 5-73				51,65	26		16,780	3.68	618						
1540917 MISTY-MEADOWS COCHISE.....		1	11	1-35	11	2.1	15,573	3.91	609	0	23	+59	+.03	+6	+7
03-14-65 1300845 5530886 5-73					34		15,415	3.83	591						
1540959 STEUBINGS DOUBLE CRESCENT.....		3	5	1-74	12	1.3	17,201	3.22	554	17	30	+140	-.04	-1	+3
08-23-66 1492372 4327791 5-73					23		16,992	3.34	567						
1540981 SARIVAL VICTOR GOLDEN PHOENIX.*		5	7	1-84	17	1.0	16,827	3.54	596	18	31	-243	+.06	0	-7
08-26-67 1274685 5596873 5-73					19		17,971	3.37	605						
1540984 FLYNN FIELD GOLDEN DIMENSION..*		6	4	2-42,47	15	1.1	14,456	3.71	537	13	35	-170	+.05	+1	-4
12-25-66 1482415 5520046 5-73					26		15,014	3.56	535						
1541359 MCKARNS CHAMPION PRINCE.....		3	7	1-31	10	1.0	17,897	3.49	625	10	22	+261	-.04	+3	+10
08-17-67 1363507 5303342 5-73					30		16,939	3.67	622						
1541376 OANN-FARM SOVEREIGN POSCH.....*		3	8	1-21	11	1.1	13,711	3.57	490	**	22	-288	+.02	-8	-15
09-21-66 1421669 4614931 5-73					24		15,068	3.51	529						
1541451 FISH-ACRES IVAN ROSE KINGPIN..*		1	36	1-48	36	1.1	12,397	3.54	439	11	23	-220	+.01	-6	-12
12-06-66 1347940 5227430 5-73					22		13,227	3.52	465						
1541459 CUMVA PROUD CADET.....	31-07	6	2	3-51,52,	12	1.0	14,878	3.59	534	8	33	-237	+.06	0	-7
01-03-68 1357743 5786090 5-73				54	52		15,725	3.41	536						
1541518 C-V-F GN TRANSMITTER SIR GWEN.*		1	10	1-22	10	1.4	14,088	3.52	496	20	20	-235	+.01	-7	-13
09-06-66 1433525 5619346 5-73					14		15,391	3.51	540						
1542363 PAGELCREST NOBLE PRINCE-TWIN..*		1	13	1-42	13	1.2	13,870	3.91	543	8	20	+82	+.01	+5	+7
08-29-66 1315612 5560268 5-73					18		13,361	3.86	516						
1542393 TWIN-COUNTY SUNSHINE BESS.....*		1	10	1-31	10	1.0	17,224	3.20	552	10	18	+325	-.03	+8	+16
09-20-67 1406271 4410793 5-73					52		15,501	3.26	505						
1542413 MAR-RIDGE MARQUIS GLENN.....		1	12	1-48	12	1.1	13,899	3.86	536	**	19	-276	+.01	-9	-16
10-11-66 1459996 4671207 5-73					41		15,463	3.87	599						
1542436 MIERSON ORMSBY PONTIAC PAT....*		2	10	2-34,61	12	1.1	15,382	3.74	576	0	21	+79	+.04	+9	+10
09-19-66 1397752 5288792 5-73					18		15,071	3.54	534						
1542524 TONOFGOLD BLUE BOPPER MAX.....		1	13	1-32	13	1.2	16,048	3.45	554	15	20	+145	-.02	+3	+7
06-27-66 1409660 4974856 5-73					13		15,434	3.50	540						
1542660 HAMLETTS OSCAR.....		2	10	1-42	15	1.0	13,749	3.67	505	7	24	+298	+.02	+13	+20
09-10-67 1476235 6470522 5-73					10		12,303	3.62	445						
1542740 OORSETTACRES MARQUIS PRINCE...*		1	12	1-55	12	1.0	15,306	3.39	519	33	19	-194	-.01	-8	-12
10-25-67 1459996 6411181 5-73					51		16,573	3.46	574						
1542977 SOX KERNEL SECURITY.....*		3	7	2-12,13	12	1.0	13,882	3.73	518	8	24	-109	+.01	-3	-6
08-21-67 1377691 4720554 1-73					75		14,336	3.73	535						
1543018 REYNCREST GALLANT MARQUIS.....*		1	13	1-21	13	1.2	16,025	3.41	546	29	20	+175	-.03	+2	+7
11-08-65 1459996 6035253 5-73					47		15,223	3.55	540						
1543369 AHRENS MAJORITY DUKE.....*		2	12	2-35,42	14	1.2	11,242	3.74	420	17	22	-574	+.03	-17	-31
11-15-66 1383004 6337777 5-73					46		13,784	3.62	499						
1543539 APPLETON FARMS PRIORITY.....*		2	8	1-13	12	1.0	12,919	3.29	425	90	23	+18	-.05	-6	-4
10-15-66 1382940 5348512 1-73					29		12,671	3.53	447						
1543848 G-DEE FARM REFLECTOR BEN.....		2	9	1-13	11	1.3	10,820	3.74	405	0	21	-494	+.03	-14	-26
09-26-66 1433045 5307637 5-73					9		12,992	3.60	468						
1544369 ROBINLAWN PRINCE BENEFACTOR...		1	14	1-34	14	1.0	18,234	3.39	619	0	19	+516	.00	+19	+31
06-29-67 1315612 5614989 5-73					24		15,693	3.30	518						
1544835 LOCHEVALE SCOTT TELSTAR.....*		1	12	1-31	12	1.0	19,269	3.32	639	17	19	+678	-.05	+17	+34
06-18-67 010288790 5116643 5-73					67		15,760	3.50	552						
1545019 TIMOOCK JOCK BURKE.....		2	11	1-21	17	1.0	13,096	3.63	475	18	26	-179	.00	-7	-11
07-26-67 1372874 5771352 5-73					17		13,726	3.68	505						
1545300 SCHROEDER JANMAR HERCULES-TWIN		2	10	1-41	16	1.0	14,809	3.53	523	31	26	-155	+.04	0	-5
05-25-67 1459996 5863649 1-73					16		15,532	3.40	528						
1545815 N-M-A-C REFLECTION SOVEREIGN..*		1	17	1-85	17	1.1	14,786	3.44	509	31	21	+32	.00	+1	+2
10-28-66 1321904 6002238 5-73					91		14,660	3.41	500						
1545946 CACHE-ACRES VIVO.....	35-75	8	2	6-21,31,	10	1.0	17,032	3.45	588	10	31	+217	-.04	+2	+8
12-19-67 1282185 4506188 5-73				35,55,57	23		16,559	3.54	587						
1546047 BAYLESS CHIEF PATRICK.....*		1	11	1-73	11	1.0	15,287	3.51	537	18	18	-174	-.01	-8	-12
07-26-67 1397517 5836938 5-73					32		16,455	3.60	593						
1546203 STEVEACRES CHIEF JUPITER.....*		1	10	1-82	10	1.1	15,621	3.53	551	13	18	-80	-.01	-5	-7
11-28-66 1397517 5269685 5-73					25		16,254	3.64	591						
1546317 CAR-RENE MAN PET KING.....*		1	10	1-47	10	1.0	13,451	3.61	485	10	18	+104	+.01	+5	+7
10-18-67 1450809 5603639 1-73					12		12,695	3.54	450						
1546361 LEAVITT FARMS KINGSON.....		2	30	1-11	32	1.0	18,719	3.60	674	6	23	+751	-.01	+25	+43
11-07-66 1454800 5549136 5-73					30		15,636	3.66	572						
1546608 PALO-DURO GOLDEN CHARMER.....		1	27	1-74	27	1.2	14,856	3.47	516	15	23	-41	.00	-2	-3
12-04-66 1357743 5214857 5-73					6		15,126	3.50	530						
1546625 C OAK RIDGES CITATION B.....*		1	11	1-34	11	1.0	15,179	3.62	549	9	18	-232	-.04	-14	-19
11-29-57 1492073 011332493 5-73					40		16,690	3.85	642						
1547070 NC-CIRCLE-L ZERO.....*		2	9	1-55	11	1.5	14,936	3.39	507	18	22	-103	+.03	0	-3
02-14-67 1475616 4926515 5-73					56		15,513	3.31	513						
1547690 NEW-WAY KINGPIN.....*		2	15	2-31,35	17	1.0	14,916	3.61	538	18	22	-77	+.01	-1	-3
10-14-67 1347940 5386258 5-73					9		15,374	3.58	550						
1547617 WYLO MASTER ARCHAMBAULT LEADER		2	10	1-42	12	1.0	13,873	3.73	517	92	20	-255	+.02	-6	-13
01-13-67 1352410 6227031 5-73					14		15,209	3.66	557						

REGISTRATION NUMBER NAME DF BULL	STUD CODE	NUMBER DF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	DAUS HM/DAU	DAUGHTERS AND HEROMATES REC/DAU HEROMATE	MILK	%	FAT	% 1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
1548052 PENCREST ILEX DUTCH.....		3	5	1-52	11	1.1	14,394	3.70	533	0	26	+311	+.01	+12	+19
C3-08-67 1447141 5163907 5-73					23		13,050	3.71	484						
1548089 PINE-SHELTER RAVEN DAN-TWIN...		1	11	1-41	11	1.0	13,587	3.47	472	9	18	-117	-.04	-10	-12
C9-14-67 1488052 4799996 5-73					15		14,216	3.75	533						
1548956 LOCHLAND TEXAL SUPREME.....		1	13	1-41	13	1.0	12,184	3.80	463	38	19	-478	+.06	-9	-22
C1-14-67 010264804 5740074 5-73					12		14,739	3.49	515						
1549343 ROCKY-SIDE BELLRINGER.....*		5	4	1-23	10	1.0	12,823	3.84	493	30	26	-555	.00	-20	-33
08-23-67 1414261 6206280 5-73					20		15,054	3.87	582						
1549354 F-J-K LORA STANLEY.....	93-18	2	9	1-93	12	1.0	18,858	3.44	648	8	22	-65	-.02	-5	-6
03-01-68 1339836 6203029 5-73					174		19,687	3.51	691						
1549683 TOPSTEAD PAT.....*		3	8	1-32	11	1.6	16,908	3.34	565	20	25	+53	-.03	-3	-1
C1-30-67 1291498 6112228 5-73					21		16,949	3.46	586						
1550033 LITTLE BARON DUKE.....		2	11	1-73	13	1.0	13,545	3.39	459	92	21	-309	-.01	-13	-20
07-26-67 1481952 6093657 5-73					23		15,115	3.51	530						
1550630 HARPSTER IVANHOE CROWN PRINCE.*		2	10	1-23	12	1.0	14,731	4.23	623	17	20	+179	+.09	+20	+22
C3-31-67 1402118 5200932 1-73					102		13,795	3.81	526						
1550631 HARPSTER MARSHALL EAST ART....*		1	15	1-23	15	1.0	13,657	3.68	502	7	20	-23	-.02	-4	-4
08-03-67 1425137 6160087 5-73					88		13,710	3.85	528						
1553184 DYKSTRA OSBORN GRANDIER JOHN..*		2	11	1-91	13	1.3	15,498	3.38	524	0	22	+159	-.01	+5	+9
10-25-66 1319055 5331695 5-73					23		14,830	3.38	501						
1554246 C HAYS FIRST MINISTER.....*	35-75	19	3	11-21,32,	29	1.3	15,769	3.51	554	26	55	-49	-.09	-14	-13
07-08-63 010252803 010962334 5-73				55,82,91	15		16,023	3.68	589						
1556707 SONNIE FAIR MASTER.....		1	12	1-51	12	1.0	15,508	3.64	564	0	19	+210	.00	+7	+12
06-04-67 1379208 5750694 5-73					22		14,379	3.65	525						
1557838 KREMEIER C A R TERRY.....		2	11	1-73	18	1.2	14,588	3.28	478	6	28	+135	+.01	+6	+9
10-10-66 1292829 6402221 5-73					15		14,082	3.20	451						
1558778 PAR-BIL MAJOR PETE.....*		2	8	2-23,41	10	1.0	13,187	3.91	515	20	20	-551	+.10	-6	-22
09-09-67 1488053 5633636 1-73					28		16,200	3.44	557						
1559306 SHADY-LYNN STAR CORNMANS DEAN.*		1	14	1-63	14	1.0	17,697	3.49	617	0	19	+611	-.01	+20	+35
08-03-67 1182359 5363826 5-73					51		14,546	3.51	510						
1560939 GLEN-GEAN ORMSBY KINGPIN WHITY		1	10	1-23	10	1.0	18,296	3.43	628	0	18	+371	-.06	+5	+15
11-03-67 1347940 5443377 1-73					13		16,400	3.71	608						
1565590 PARK-FOREST PRINCE MAROUIS....*		2	7	1-52	13	1.0	15,488	3.64	564	15	26	+4	+.01	+1	+1
01-16-68 1459996 5313841 5-73					48		15,593	3.62	565						
1576454 C MADAWASKA REFLECTION PAT....*		1	10	1-23	10	1.0	15,920	3.27	521	10	18	+189	-.08	-5	+2
03-17-67 010278178 011222946 1-73					19		14,904	3.76	560						
1599010 BARDINE IVANHOE HITIT-RICH-REO*	93-19	7	3	4-31,35,	15	1.1	14,813	3.68	545	0	37	-72	+.02	0	-2
07-06-62 1396768 5446990 5-73				43,48	27		15,077	3.65	550						
1599020 LARRY-MOORE TRANSMTR JACK-RED.*	35-75	3	9	3-35,43,	13	1.0	18,878	3.28	620	**	23	+500	-.06	+9	+23
04-20-60 1359819 7860132 5-73				48	9		16,908	3.47	587						
010198998 A. B. C. REFLECTION SOVEREIGN.*		34	1	14-16,21,	39	2.1	15,302	3.73	571	**	71	+64	+.06	+11	+11
12-03-46 010155159 010559938 5-73				23,33,51	27		15,302	3.65	559						
010211378 BROWNS MASTER PABST.....*		12	1	10-12,21,	13	1.9	13,308	3.61	481	**	44	-162	+.03	-2	-7
07-05-48 010135583 010566579 1-73				22,23,31	25		13,599	3.57	485						
010233629 EGLANTIERS TRIUMPH JOHANNA....*		28	1	11-21,22,	28	2.3	13,179	3.59	473	**	65	-26	-.02	-4	-4
03-01-51 010216824 010453325 1-73				23,33,51	13		13,091	3.64	476						
010241954 BANELLA STYLE MASTER.....*		277	3	25-11,13,	381	2.2	13,808	3.60	497	**	95	-844	-.03	-34	-53
04-02-52 010212300 010580943 1-73				16,21,23	27		14,730	3.63	535						
010247186 ROSAFE PRECEPTOR.....*		47	2	15-21,23,	59	2.2	14,661	3.57	523	**	78	-350	-.01	-14	-22
02-07-54 010198998 010722187 5-73				31,33,34	45		15,193	3.59	545						
010247812 SEILING PIETJE TRIUMPH.....*		77	1	15-21,23,	83	2.4	13,666	3.48	476	**	84	-307	-.07	-21	-27
03-17-54 010239045 010712999 5-73				31,34,51	31		13,993	3.57	500						
010250585 BECKHAVEN R A BENEFACTOR.....*		26	2	7-11,12,	35	2.5	12,897	3.80	490	**	67	-559	+.11	-5	-21
07-21-54 010235583 010827528 5-73				13,14,21	14		13,661	3.64	497						
010250735 SEILING TRIUNE ACHILLES.....*		307	2	34-21,22,	418	2.2	14,121	3.75	530	**	96	-228	+.16	+15	+5
11-07-54 010239045 010593265 1-73				23,31,34	39		14,357	3.58	514						
010251647 BROWVIEW PABST FIFTY-FIVE.....*		103	1	16-13,14,	119	2.5	14,522	3.55	516	**	88	+119	-.07	-6	-1
01-01-55 010237455 010828616 5-73				16,21,23	24		14,387	3.64	524						
010251684 NIC-A-BAR MASTER PRINCE.....*		98	1	17-13,16,	114	2.1	13,582	3.66	497	**	87	-928	+.04	-28	-51
01-29-55 010237756 010859625 5-73				21,22,23	29		14,674	3.63	532						
010252189 ELKCUR WAYNE COMET FINDERNE...*		13	1	9-11,12,	14	1.4	15,303	3.52	539	27	43	+388	-.02	+11	+21
11-23-54 010227379 010754978 5-73				16,21,33	92		14,407	3.57	514						
010252334 GLENAFTON MARMION.....*		133	2	16-14,21,	166	2.4	12,572	3.60	452	**	91	-829	.00	-30	-50
03-19-55 010239301 010968594 5-73				23,31,34	27		13,383	3.61	483						
010252803 SEILING TRIUNE ROCKET.....*		45	2	17-21,23,	69	2.5	14,238	3.66	521	12	79	-1,052	.00	-38	-63
03-09-55 010239045 010767491 5-73				31,56,87	29		15,695	3.67	576						
010255163 ROCKDALE PRESIDENT.....*		451	4	28-11,13,	752	1.9	14,279	3.86	551	**	97	-359	+.24	+21	+6
10-19-55 010220731 010821909 9-72				16,21,23	34		14,679	3.62	531						
010255838 GLENALCOMB PABST SIR ECHO.....*		91	1	15-16,21,	100	2.3	13,306	3.45	459	**	86	-963	-.14	-54	-73
11-16-55 010195427 010972682 5-73				22,23,33	20		14,430	3.62	523						
010256677 WAY BROOK PABST SOVEREIGN.....*		50	1	18-21,22,	59	2.4	14,162	3.62	513	**	78	+41	+.02	+5	+5
02-20-56 010241933 010939384 5-73				23,51,63	31		14,078	3.59	505						
010257174 ROMANDALE DIVIDEND.....*	33-03	56	4	20-21,23,	100	2.4	14,900	3.74	558	18	81	-205	+.09	+6	-1
10-05-55 010198998 010989224 5-73				31,41,52	26		15,238	3.64	554						
010257240 ORMSDALE PONTIAC SENATOR.....*		8	3	7-12,13,	13	1.6	14,596	3.73	545	13	36	-110	+.03	0	-3
03-26-56 010249532 010671266 1-73				15,21,23	27		14,964	3.66	548						
010257451 FRASEA SEGIS VROUKA NETHERLAND*		8	1	2-51,91	10	1.7	14,284	3.55	507	**	36	-298	-.01	-12	-19
04-22-56 010153547 010618119 1-73					24		15,186	3.58	544						
010258920 ROSAFE HEPTAD.....*		142	1	20-13,14,	173	2.2	14,391	3.50	503	**	91	-98	-.11	-19	-19
07-05-56 010198998 010629726 5-73				16,21,23	26		14,511	3.62	526						
010259668 GLENHOLM ALERT DEAN PABST.....*		120	3	16-11,13,	192	1.9	15,278	3.64	556	**	90	+36	-.02	-1	0
12-05-56 010246349 011320328 5-73				21,23,51	26		15,332	3.67	563						
010260315 SUN DREAM DIJAX DUKE.....*		111	2	18-16,21,	136	2.2	14,071	3.77	531	**	88	-673	+.14	-5	-24
10-27-55 010220731 011047661 5-73				22,23,93	34		14,884	3.63	540						

REGISTRATION NUMBER / NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HO	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS HM/DAU	REC/DAU HEROMATE	MILK	%	FAT	%	1ST LACT INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
010260599 ROSAFE SHAMROCK PERSEUS.....*		602	4	43-13,21,	1,066	2.5	15,555	3.48	542	11	98	+506	-.14	-2	+14
01-12-57 010198998 01093C258 9-72				22,23,31	29		15,111	3.63	548							
010261594 VINEDALE REFLECTION OEKOL.....*		93	1	21-21,23,	109	2.1	14,186	3.62	513	**	87	-308	+.03	-7	-15
03-12-57 010255184 010929296 5-73				31,34,52	42		14,559	3.59	522						
010261701 ROSAFE MAGIC.....*		20	2	9-21,23,	29	2.9	13,192	3.65	482	17	63	-721	.00	-26	-43
05-19-57 010198998 010547099 5-73				31,34,51	20		14,330	3.67	526						
010262615 FRIEDVIEW BENEFACTOR.....*		32	1	13-21,22,	38	2.2	13,671	3.79	518	10	69	-807	+.12	-13	-35
08-11-57 010205583 011139892 5-73				23,34,43	49		14,884	3.63	540						
010262618 MADAWASKA DIJAX CHAMP.....*		26	2	9-11,16,	43	1.8	12,915	3.66	473	23	69	-798	+.06	-21	-41
07-20-57 010220731 010922048 5-73				21,23,33	69		14,043	3.59	504						
010263332 GLENAFTON ROYAL HAMILTON.....*		292	2	29-21,22,	406	1.9	14,148	3.56	504	**	95	-333	-.03	-16	-23
11-18-57 010249530 011116870 1-73				23,31,34	34		14,510	3.60	522						
010263466 SEILING ROCKET REFLECTION.....*		11	1	4-21,23,	11	2.2	14,390	3.75	540	**	41	-303	+.06	-2	-11
08-02-57 010252803 011099007 5-73				34,51	18		15,222	3.61	550						
010263547 GLENJOEN DIJAX CORD.....*		42	1	12-13,16,	43	1.7	13,625	3.79	517	4	71	-772	+.14	-9	-31
10-12-57 010220731 010765318 5-73				21,23,51	24		14,746	3.61	532						
010263781 SPRING FARM REFLECTION ORMS8Y.*		185	2	32-21,22,	252	1.5	14,819	3.51	520	16	92	-85	-.09	-16	-16
12-24-57 010248207 011086382 5-73				23,32,34	36		14,970	3.61	540						
010264137 FOREST LEE ROCKETTE CENTURION.*		318	2	37-21,22,	490	1.7	14,352	3.45	495	**	96	-486	-.15	-39	-47
01-01-58 010239301 010814602 9-72				23,32,34	34		14,911	3.61	539						
010265167 WINTERMAR ANTHONY STYLEMASTER.*		33	1	13-21,23,	35	2.3	13,970	3.61	505	5	69	-224	+.04	-2	-8
04-18-58 010254609 010876310 5-73				31,34,55	70		14,285	3.56	509						
010265395 MARLDALE LEADER.....*		43	1	13-23,31,	47	1.9	12,878	3.50	451	16	74	-849	-.05	-37	-56
04-08-58 010244211 010872850 5-73				34,63,64	36		13,984	3.58	501						
010266128 FLETTDALE PABST BARON.....*		38	1	14-21,22,	43	2.3	13,691	3.70	506	**	73	-560	+.10	-6	-22
01-14-57 010241933 011074782 5-73				23,31,34	36		14,469	3.56	515						
010266847 MISSISSIPPI RAG APPLE LADDIE..*		67	1	10-13,16,	74	2.3	14,015	3.56	499	**	82	-406	-.03	-19	-28
08-28-58 010256645 010965936 5-73				21,22,23	29		14,522	3.61	524						
010267377 WEAVERS FJND RAVEN A.....*		104	1	19-21,22,	119	2.0	13,081	3.66	479	**	88	-784	+.05	-21	-41
06-13-58 010242802 011068287 5-73				23,31,34	39		13,932	3.60	502						
010267433 MORWILL R A TOPPER.....*		53	1	11-11,13,	57	2.2	12,885	3.77	486	**	78	-1,133	+.12	-25	-55
10-09-58 010253038 011106547 5-73				16,21,23	27		14,335	3.63	520						
010267751 BROWVIEW HARTOG MONTY.....*		9	2	2-34,91	14	1.6	14,887	3.80	565	14	43	-43	+.07	+8	+5
11-17-58 010258920 011180971 5-73					20		15,055	3.65	549						
010271347 BOND HAVEN MAPLE JOE.....*		32	1	14-14,21,	36	1.7	15,139	3.59	543	15	67	+435	.00	+16	+26
09-12-59 010218036 011258088 5-73				23,34,43	26		14,501	3.59	520						
010271747 EDGEWARE RAG APPLE DAN.....*		16	1	13-14,21,	16	2.1	14,773	3.38	500	**	50	+460	-.09	+3	+16
10-27-59 010218036 011230750 5-73				23,31,32	54		13,792	3.56	491						
010271845 LANGVIEW IDEAL EXPECTATION....*		12	3	2-87,91	27	2.6	15,006	3.45	517	**	57	-191	-.10	-21	-23
10-27-59 1175596 011175762 5-73					24		15,445	3.63	560						
010272324 WEAVERS INKA GOVERNOR.....*		15	1	7-21,23,	16	2.3	12,135	3.57	433	**	51	-769	+.01	-26	-45
11-02-59 010233528 010772739 5-73				31,32,34	17		13,572	3.55	482						
010272336 BLUEBIRD SUPREME LADDIE.....*		22	1	9-21,23,	27	1.7	12,749	3.48	444	**	60	-921	-.02	-36	-57
10-12-59 010249633 011073292 5-73				31,33,34	67		14,263	3.53	504						
010272685 BAROHOLM ROYLE SUPREME.....*		120	1	15-21,22,	142	2.0	13,722	3.61	496	**	89	-670	+.03	-20	-37
11-19-59 010249633 010961893 5-73				23,31,34	33		14,482	3.59	520						
010273704 SHORE MAPLE R.....*		40	1	14-16,21,	44	2.0	13,335	3.58	478	**	73	-273	-.02	-12	-18
07-11-59 010218036 011331615 5-73				22,23,63	29		13,636	3.62	493						
010274514 ROSAFE EMINENT.....*		68	2	24-16,21,	94	2.4	14,810	3.49	517	14	85	+119	-.10	-10	-5
06-15-60 010250599 01093C258 5-73				22,23,31	36		14,701	3.61	531						
010274670 BANELLA PERFECTION HEADLINER..*		26	1	9-21,22,	31	2.1	12,789	3.62	463	**	65	-671	+.03	-20	-37
05-18-60 010213749 010864635 5-73				23,31,34	39		13,768	3.58	493						
010275058 SEILING PETRO.....*		167	1	24-13,14,	202	1.7	14,407	3.52	507	**	92	-527	-.11	-34	-44
09-04-60 1298430 011317452 5-73				16,21,23	30		15,048	3.64	548						
010275218 SEILING REFLECTOR.....*		44	3	15-21,23,	76	1.4	14,912	3.43	511	18	77	-633	-.15	-43	-54
04-17-59 1298430 011317453 5-73				74,91,93	26		15,885	3.61	573						
010275637 BOND HAVEN CENTURION MASTERPIE*		31	1	9-23,31,	33	2.2	15,333	3.39	520	**	67	+531	-.11	+3	+19
02-22-60 010239301 011448641 5-73				34,58,63	37		14,559	3.54	515						
010275932 SEILING ROCKMAN.....*	35-05	853	5	39-13,16,	1,812	1.7	15,481	3.67	568	13	99	+303	+.04	+17	+23
11-24-59 010252803 011083846 1-73				21,23,63	29		15,260	3.63	554						
010276164 EDGEWARE PIETJE BOY.....*		29	2	12-21,23,	34	1.6	15,574	3.56	554	16	64	+581	.00	+21	+35
12-03-60 010226198 011230750 1-73				34,55,58	49		14,698	3.55	522						
010276189 MAROEN SNOW BOY.....*		17	1	10-21,23,	18	1.8	13,043	3.45	450	**	52	-372	-.03	-17	-25
12-10-60 1152252 010715902 5-73				31,52,58	49		13,697	3.51	481						
010276214 PEEL LODGE HAYMAKER.....*		34	1	9-21,22,	36	1.9	14,194	3.83	543	**	69	-155	+.13	+13	+6
11-07-60 010228078 010979698 5-73				23,33,34	27		14,425	3.64	525						
010276275 HILLTOP SWEET IVANHOE.....*		32	1	11-11,13,	33	1.8	14,798	3.47	514	**	66	+13	-.09	-12	-9
11-09-60 1189870 010835394 5-73				16,21,23	21		14,821	3.62	536						
010276380 OUNCHEESIN WIS TEXAL.....*		21	2	10-22,23,	29	1.4	14,934	3.48	519	9	59	+300	-.07	+1	+10
04-21-60 933122 011319889 5-73				31,34,55	106		14,396	3.59	517						
010276393 GLENVUE CROWN ROYAL.....*		74	1	17-13,16,	85	2.1	14,123	3.53	498	**	84	-469	-.07	-27	-36
10-25-60 010260599 010672200 5-73				21,23,32	25		14,718	3.62	533						
010277269 MOUNT BLOW PABST JEWEL.....*		9	1	5-13,16,	10	1.7	12,051	3.40	410	**	37	-702	-.03	-29	-45
03-11-61 010252659 011048531 9-72				21,23,33	57		13,919	3.52	490						
010277442 HOJCKHALL MARK.....*		34	2	13-21,23,	42	1.8	14,464	3.53	510	**	70	-94	-.03	-7	-9
02-26-61 010260008 011136452 5-73				31,33,34	59		14,623	3.57	522						
010277722 WATERLOO ROYAL QUOE.....*		33	1	14-14,16,	34	2.1	13,803	3.68	508	**	68	-319	+.03	-7	-15
11-20-60 010220731 011231169 5-73				21,22,23	43		14,250	3.65	520						
010277724 ROYBROOK NEWSBOY.....*		9	1	4-11,12,	10	2.5	14,487	3.40	493	0	39	-27	-.07	-11	-10
11-18-60 010266008 010729320 1-73				13,21	21		14,576	3.59	523						
010278178 MARLDALE H J CITATION ELVIS...*		17	1	10-21,22,	20	1.8	15,034	3.48	523	**	54	+143	-.07	-5	0
08-26-60 010267150 011176258 5-73				23,34,55	55		14,809	3.62	536						
010278190 EMERALDALE CITATION ENSIGN....*		34	1	13-21,23,	36	1.8	14,734	3.42	504	**	68	+120	-.10	-10	-5
04-08-61 010257150 010905619 5-73				31,32,86	41		14,576	3.57	521						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF OAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... OAUS REC/OAU HM/OAU	HEROMATE	MILK	%	FAT	% FAT INC	1ST REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
010278293 LIMBOUR TROPHEUS ELECT.....*		12	3	7-11,16,	17	1.9	15,571	3.49	544	30	45	+335	-.05	+4	+13
04-26-61 010266109 011346862 5-73				21,22,23	65		14,875	3.61	537						
010278471 ROMANDALE GLEN ECHO.....*		12	1	7-21,31,	14	1.6	13,110	3.81	499	14	44	-494	+.13	0	-15
10-25-60 010198998 011248867 5-73				32,34,64	26		14,221	3.51	499						
010278750 BECKHAVEN NOBLEMAN.....*		12	5	8-21,23,	20	1.5	15,836	3.59	568	24	43	-45	.00	-2	-3
01-25-61 010257150 011111648 5-73				32,34,86	74		16,116	3.60	580						
010279270 ORCHARD VALLEY SYMBOL.....*		4	10	3-21,22,	15	1.9	13,225	3.40	449	**	29	-271	+.03	-6	-13
06-25-61 010267150 011356445 1-73				23	16		14,131	3.31	468						
010279415 GLENVUE BONANZA.....*		43	1	11-21,23,	51	1.9	13,872	3.65	506	**	75	-553	+.05	-13	-27
10-01-61 010273925 011101390 5-73				31,34,74	22		14,633	3.59	525						
010279445 BAILEYS R A REQUEST.....*		33	1	14-13,21,	36	2.1	14,847	3.51	521	**	69	+57	-.01	0	+2
08-11-61 010218036 011107783 5-73				23,34,74	35		14,806	3.52	521						
010279618 SHORE ROYAL PRINCE.....*		23	1	9-21,22,	26	2.3	13,430	3.70	497	15	61	-431	+.08	-4	-16
10-12-61 010237136 011050024 5-73				31,34,57	79		14,137	3.57	503						
010280185 ELKCUR INKA REX.....*		42	1	15-13,21,	46	2.1	12,933	3.82	494	9	74	-671	+.17	-1	-21
11-25-61 010233528 010960518 5-73				23,34,57	74		13,787	3.59	495						
010280432 ROCK LANE RANGER NARVIN.....*		6	2	4-13,21,	10	2.1	13,480	3.55	478	**	34	-551	+.04	-15	-29
12-21-61 010261345 011193648 9-72				22,23	83		15,176	3.47	527						
010280596 EDGEWARE WAYNE ACHILLES.....*		27	1	13-13,21,	30	1.8	15,286	3.64	557	**	64	+580	+.04	+27	+40
12-31-61 010235597 011230750 5-73				23,32,57	60		14,375	3.58	515						
010281035 ACME OF ACME.....*		28	2	14-21,23,	35	1.8	13,331	3.68	491	**	67	-799	+.06	-21	-41
12-25-61 1269047 010909432 5-73				32,33,34	54		14,549	3.60	524						
010281298 SUMMIT VIEW STATESMAN.....*		53	1	11-16,21,	58	2.2	13,251	3.75	497	**	78	-894	+.11	-17	-41
02-24-62 010229203 011026913 5-73				23,32,33	54		14,401	3.61	520						
010281396 ROYBROOK FORMOST.....*		40	2	17-21,22,	50	2.4	14,006	3.46	484	19	73	+24	-.08	-11	-8
01-03-62 010273925 010904759 5-73				23,34,64	98		13,927	3.58	499						
010281911 OAK RIDGES REGAL LOCHINVAR....*		9	3	4-32,57,	15	1.7	13,399	3.54	474	9	42	-432	+.05	-8	-20
04-21-62 010198998 011035084 5-73				65,74	30		14,438	3.41	492						
010282188 MEADOW RIDGE ROYAL MASTER.....*		9	3	1-91	16	1.6	15,184	3.88	589	**	43	+134	+.07	+15	+16
05-12-62 1305460 011187223 5-73					17		14,925	3.73	557						
010282293 OOWNALANE REFLECTION EMPEROR..*	35-05	22	1	15-21,23,	26	1.3	16,236	3.49	566	0	57	+156	-.04	0	+5
05-31-62 010267150 011325135 5-73				32,34,82	41		16,104	3.55	572						
010282456 CLEARCREEK DUKE.....*		26	1	11-21,22,	30	2.2	13,221	3.64	481	**	64	-506	+.05	-11	-24
05-04-62 010237136 011079517 5-73				23,33,34	116		13,966	3.56	497						
010282546 ELDERSLIE SHAMROCK BARON.....*		4	8	3-16,21,	13	2.2	14,651	3.41	500	**	30	-507	+.06	-27	-38
06-11-62 010257407 011302442 5-73				93	39		16,582	3.64	604						
010282839 .....*		10	1	6-16,21,	10	1.7	12,563	3.80	478	**	37	-636	+.06	-14	-31
5-73				23,31,33	27		14,272	3.62	517						
010283047 ROMANDALE REFLECTION GOVERNOR.*		17	1	8-21,22,	20	2.1	12,871	3.83	493	27	55	-812	+.11	-15	-37
09-05-61 010198998 011479960 5-73				23,34,41	58		14,356	3.64	522						
010283099 EBYDALE MARCUS - TWIN.....*		29	3	13-21,23,	46	2.5	15,551	3.46	538	10	71	+386	-.11	-3	+9
05-08-62 010198998 011085334 5-73				31,34,93	37		15,078	3.62	546						
010283103 WEAVERS SOVEREIGN REFLECTION..*		15	5	11-21,23,	27	2.1	15,183	3.50	532	13	53	+371	-.08	+2	+13
05-30-62 010198998 011330410 5-73				34,55,84	200		14,491	3.65	529						
010283278 MEADOLAKE ROYAL SHAMROCK.....*		30	1	10-13,21,	32	1.6	14,658	3.53	517	**	65	-326	-.07	-21	-27
07-02-61 010198998 011240524 5-73				23,31,32	48		15,249	3.64	555						
010283610 MAPLE HEATHER MAJOR.....*		18	1	7-21,23,	18	1.8	13,431	3.65	490	**	52	-580	+.02	-18	-32
09-08-62 010229203 010853595 5-73				31,32,34	21		14,559	3.62	527						
010283662 WINDYLEA IMPERIAL.....*		12	1	5-16,21,	14	1.6	14,406	3.64	525	**	44	-91	+.02	0	-3
10-05-62 010259542 010988924 5-73				23,51,57	39		14,639	3.59	526						
010283735 ELMCROFT PONTIAC CHIEFTAIN....*		53	1	15-21,22,	59	2.1	14,524	3.57	519	**	78	-336	.00	-12	-20
10-08-62 010260599 011405867 5-73				23,31,34	38		15,017	3.58	538						
010284377 ACME MARINER.....*		19	2	11-21,23,	22	1.6	12,926	3.54	458	18	54	-658	-.05	-30	-45
11-20-62 010271785 010956216 5-73				31,34,57	128		14,111	3.64	514						
010284500 MAPLE HEATHER RETAINER.....*		24	1	9-13,16,	24	1.7	13,227	3.61	477	**	58	-915	+.04	-28	-51
12-05-62 010254804 011466318 5-73				21,23,51	20		14,843	3.56	528						
010284950 PEEL LODGE STARMAKER.....*		31	1	10-12,14,	33	1.6	13,748	3.64	501	**	65	-716	-.01	-27	-44
08-19-62 010229203 010979698 5-73				21,22,23	31		14,895	3.67	546						
010285181 LINMACK ROYAL MASTER.....*		39	1	13-13,21,	40	1.7	12,635	3.78	476	30	79	-1,267	+.10	-32	-65
01-21-63 1305460 011251619 5-73				23,33,51	36		14,419	3.63	523						
010285816 ROMANDALE TEXAL REFLECTION OUK*		20	1	11-16,21,	22	2.0	13,930	3.42	477	**	58	-30	-.09	-14	-12
03-21-63 010269036 011560541 5-73				23,31,34	66		13,938	3.60	502						
010285974 HOJCKHALL HIGHSPOT.....*		22	1	7-16,21,	23	1.8	14,068	3.66	515	**	58	-626	+.05	-16	-32
01-26-63 010273925 011303884 5-73				23,34,55	19		15,234	3.60	548						
010286091 ELMSIDE VIEW OUOE.....*		23	1	8-16,21,	24	1.5	13,462	3.49	470	33	58	-359	-.08	-24	-31
03-24-63 010220731 011093539 5-73				23,57,63	26		14,052	3.64	512						
010286161 GLENAFTON RAG APPLE JULIUS....*		28	2	11-21,22,	32	2.4	13,374	3.51	469	**	66	-574	-.05	-28	-40
03-06-63 010273925 010869974 5-73				23,33,34	74		14,232	3.60	513						
010286165 GLENAFTON RAG APPLE REFLECTOR.*		24	2	7-11,12,	30	1.6	13,264	3.49	463	19	62	-707	-.06	-34	-49
04-30-63 010273925 011032287 5-73				13,14,21	18		14,414	3.60	519						
010286409 MARLACRES INKA TOP NOTCH.....*		76	2	23-21,31,	106	1.4	14,989	3.46	519	11	83	+271	-.09	-4	+5
04-28-63 010233528 011239801 5-73				34,55,57	83		14,694	3.58	526						
010286513 GREENWOOD RAG APPLE HERCULES..*		67	1	17-21,23,	77	1.8	13,848	3.56	493	**	82	-398	-.03	-18	-27
01-05-62 010251671 011597396 5-73				31,32,34	70		14,332	3.60	516						
010287072 BOND HAVEN MAPLE DIPLOMAT....*		23	2	13-13,21,	27	1.9	14,452	3.36	486	10	60	-58	-.10	-17	-16
07-06-63 010218036 011444171 5-73				23,33,34	99		14,567	3.54	515						
010287074 K A S TRIJNE OUOE.....*		16	1	6-21,23,	16	1.6	15,868	3.47	550	**	48	+489	-.06	+9	+22
07-02-63 010252803 011252135 5-73				31,34,51	27		14,896	3.58	533						
010287153 BROWNDALE ACHILLES ROELAND....*		50	1	20-21,22,	55	1.7	12,854	3.76	483	**	76	-1,170	+.15	-22	-53
07-26-63 010229512 010699695 5-73				23,31,32	24		14,386	3.56	512						
010287171 GLENAFTON HEROMASTER.....*		159	2	32-21,23,	218	1.6	15,734	3.45	543	8	92	+766	-.13	+8	+30
07-02-63 010260599 011116870 5-73				31,32,34	42		14,956	3.58	536						
010287319 BONOVIEW PONTIAC SOUVENIR.....*		21	2	10-21,23,	30	2.0	14,939	3.41	509	6	61	+301	-.11	-5	+5
03-25-63 010251671 011177157 5-73				31,33,34	177		14,448	3.59	519						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS HM/DAU	REC/DAU HERDMATE	MILK	%	FAT	% LST INC	% REPT	PREDICTED DIFFERENCES MILK	%	FAT
010287392 TARA HILLS FOND IVANHOE.....*		93	1	16-13,16,	112	1.6	14,010	3.78	530	**	86	-596	+.16	0
03-04-63 1189870 010086005 5-73				21,23,57	32		14,737	3.60	531					
010287527 ELMSIDE VIEW ROCKY DUDE.....*		21	1	11-11,21,	22	1.3	14,381	3.65	525	**	55	-62	+.02	0
08-28-63 010275932 011254584 5-73				22,23,34	25		14,507	3.63	526					
010287665 MAPLE HEATHER DEFENDER.....*		26	1	10-13,14,	27	2.1	13,996	3.61	505	**	63	-34	-.02	-4
09-21-63 010229203 010853595 5-73				16,21,23	25		14,014	3.66	513					
010287960 MORRIS ACRES CENTURION LUCKY..*		15	1	12-16,21,	17	2.2	16,018	3.52	564	0	52	+462	-.01	+15
10-02-63 010239301 011578872 5-73				23,57,64	62		15,218	3.54	538					
010288659 THAMES CREST SOVEREIGN SUPREME*		25	1	13-23,31,	30	2.2	14,263	3.49	498	**	65	-48	-.06	-11
11-05-63 010229203 011267191 5-73				33,34,51	125		14,332	3.60	516					
010288790 RDYBRDDK TELSTAR.....*		87	4	21-21,23,	132	1.5	16,657	3.81	634	9	85	+648	+.15	+46
12-13-63 010281397 011499058 5-73				31,34,82	32		16,058	3.66	587					
010288991 ELMROSS ROCKMAN.....*		9	2	4-13,16,	12	1.2	13,961	3.40	474	33	37	-13	-.04	-6
12-23-63 010275932 011539762 9-72				21,57	22		13,957	3.50	489					
010289067 PIONEER LODGE REFLECTION SOVER*		12	2	8-16,21,	15	2.2	14,447	3.77	544	20	48	-347	+.12	+4
01-18-64 010229512 011066801 5-73				22,23,33	73		15,258	3.52	537					
010289340 OAK RIDGES REGAL PROMOTER.....*		52	1	19-21,23,	57	1.6	14,549	3.48	506	24	76	-204	-.06	-16
03-02-64 010198998 011268092 5-73				32,64,74	41		14,866	3.56	529					
010289342 SHORELEA PERS.....*		65	2	6-21,23,	89	1.2	14,242	3.49	497	14	80	-262	-.03	-14
03-13-64 010260599 011259239 5-73				31,34,52	94		14,591	3.54	516					
010289711 STEWARTHAVEN ROYAL PRINCIPAL..*		18	1	10-11,21,	19	2.0	14,271	3.49	498	**	54	-327	-.06	-20
03-19-64 010263332 011182435 5-73				22,23,31	52		14,928	3.60	538					
010290005 VERMONT TEXAL HOPE.....*		9	1	5-21,31,	10	1.4	13,327	3.52	469	**	35	-536	.00	-19
04-08-64 010264804 011210638 1-73				33,34,55	64		14,908	3.54	528					
010290107 ENGHILL PERSEUS ADMIRAL.....*		17	1	11-21,22,	17	1.9	13,651	3.70	505	**	51	-502	+.10	-4
10-31-63 010260599 011602669 5-73				23,31,32	27		14,656	3.51	515					
010290122 LLEWXAM JUPITER SUPREME.....*		33	1	13-21,23,	38	1.9	14,535	3.60	523	**	69	+47	.00	+2
02-07-64 010261992 011303687 5-73				31,34,56	65		14,475	3.60	521					
010290516 AGRO ACRES MARQUIS NED.....*		30	2	16-23,32,	40	1.2	14,685	3.59	527	17	65	-366	.00	-13
05-07-64 010260008 011468146 5-73				34,51,55	25		15,341	3.59	551					
010290590 MERIVIEW DIVIDEND PERFECTION..*		19	1	10-11,13,	19	2.2	13,473	3.57	481	**	55	-887	+.04	-27
03-13-64 010257174 011219272 5-73				16,21,23	27		15,162	3.52	534					
010290627 BIRTLE CITATION SIZZLER.....*		5	4	2-41,45	13	2.2	14,226	3.78	538	17	38	+30	+.03	+5
06-14-64 010267150 011204833 5-73					11		14,119	3.72	525					
010290646 SANDSDALE FOND SUPREME.....*		39	1	12-21,23,	46	1.5	14,525	3.42	497	**	72	-173	-.12	-24
10-08-63 010233528 011092995 5-73				33,34,55	70		14,810	3.61	534					
010290862 OAK RIDGES REFLECTION MAJOR -.*		28	1	13-21,23,	29	1.7	12,958	3.60	467	**	64	-795	+.02	-26
06-11-64 010229512 011035084 5-73				32,33,34	27		14,191	3.59	509					
010290863 OAK RIDGES REFLECTION CAPTAIN.*		20	1	14-21,23,	23	2.0	13,797	3.54	488	13	59	-358	.00	-13
06-11-64 010229512 011035084 5-73				31,33,34	115		14,412	3.55	512					
010291004 VINEDALE PERSEUS ANGELD.....*		8	2	8-21,23,	10	1.5	11,480	3.48	400	33	34	-802	-.02	-32
03-18-64 010260599 011522831 9-72				31,34,52	90		13,765	3.58	493					
010291200 SPRING FARM MASTER MAPLE.....*		63	1	18-21,22,	75	1.7	13,850	3.47	481	**	81	-638	-.08	-34
07-11-63 010218336 011666472 5-73				23,32,34	50		14,669	3.58	525					
010291281 HILLTOPPER REFLECTION CHARLES.*		17	1	10-13,14,	20	2.1	16,060	3.57	574	**	54	+774	+.03	+32
03-15-64 1408738 4454199 5-73				16,21,55	58		14,664	3.51	515					
010291309 ELKCUR IDEAL HOPE.....*		25	1	11-23,31,	29	1.8	15,663	3.59	562	**	63	+370	.00	+13
07-31-64 010273925 010960518 5-73				34,55,57	69		15,148	3.58	543					
010291714 CORNERSET CENTURION MEDALIST..*		46	2	16-21,23,	59	1.6	15,041	3.49	525	6	75	+283	-.08	-1
12-23-63 010239301 011315986 5-73				31,33,34	98		14,692	3.60	529					
010291760 WENRON PERFECTION ROCKET.....*		7	3	3-11,21,	15	1.9	16,178	3.57	577	13	42	+178	-.03	+2
09-30-64 010252803 011487556 5-73				52	29		15,901	3.63	578					
010291824 SEILING MARK.....*		9	2	5-21,23,	12	1.8	16,706	3.33	557	0	40	+583	-.11	+5
10-07-64 010283099 011317453 5-73				31,32,92	23		15,359	3.57	548					
010292054 WEAVERS TEXAL SNOW.....*		13	1	6-11,12,	15	1.9	12,361	3.55	439	38	47	-1,252	-.04	-51
09-20-63 010264804 011070529 5-73				15,21,50	23		15,079	3.67	553					
010292367 HAYSSEN FOND ARISTOCRAT.....*		25	1	10-21,23,	28	1.7	13,813	3.74	516	**	62	-261	+.09	+3
05-06-64 1250992 5130964 5-73				31,34,55	58		14,218	3.59	511					
010292883 ELMSIDE VIEW DIJAX PRESIDENT..*		4	5	4-13,16,	11	2.3	13,688	3.98	545	17	32	-365	+.12	+3
02-21-64 010281805 011705239 5-73				21,61	28		14,887	3.61	537					
010293243 AVDRILL ROCKMAN.....*		5	3	3-23,56,	10	1.0	13,526	3.34	452	**	27	-201	-.05	-14
01-12-65 010275932 011528614 1-73				58	36		14,250	3.55	506					
010293299 WAY BROOK SIR WINSTON.....*		16	1	8-13,16,	17	1.6	14,343	3.81	547	9	50	-193	+.10	+7
01-31-65 010255163 011416225 5-73				21,23,57	29		14,772	3.61	534					
010293451 CLEAVE VIEW MISTER X.....*		11	1	5-13,16,	13	1.3	12,432	3.82	475	**	41	-711	+.06	-18
11-07-64 1378594 011101253 1-73				21,23,51	32		14,162	3.69	523					
010293467 THORNHOLM LINDON PRECEPTOR....*		5	5	4-13,14,	12	1.8	13,937	3.62	504	11	33	-430	.00	-16
01-24-65 010247186 011144474 1-73				23,93	32		15,356	3.65	561					
010293501 WEAVERS RE-ECHO SHAMROCK.....*		12	2	9-23,31,	15	1.5	14,543	3.40	495	0	45	+6	-.04	-5
05-31-64 010241845 011721529 5-73				32,55,64	76		14,545	3.49	507					
010293575 LANINGDALE REGENT REFLECTOR...*		19	1	12-21,23,	20	1.7	14,061	3.63	510	10	54	-255	+.02	-6
03-15-65 1298430 011310267 5-73				31,32,34	91		14,547	3.60	523					
010293658 MAPLE HEATHER GENERAL.....*		26	1	14-16,21,	30	1.5	13,221	3.57	472	**	63	-1,004	+.02	-33
02-06-65 010252803 010853595 5-73				23,34,51	79		14,878	3.55	528					
010293895 FLEMINGDALE PERSEUS MARK.....*		53	1	17-21,23,	64	1.7	14,924	3.52	526	5	79	+336	-.03	+8
12-22-64 010260599 011698141 5-73				32,33,55	48		14,509	3.55	515					
010294747 MEADOWLAKE GOLDEN CROSS.....*		72	1	14-21,23,	88	1.4	13,216	3.68	487	**	82	-1,134	+.09	-29
09-25-64 010247186 011049831 5-73				31,34,51	34		14,618	3.58	524					
010294775 ACME SILVER CLOUD.....*		11	1	6-15,21,	11	1.5	12,960	3.81	494	43	39	-822	+.09	-18
11-06-64 010271785 011436585 5-73				22,23,41	28		15,165	3.59	545					
010295356 SUMMIT VIEW CITATION S.....*		15	1	9-16,21,	15	1.7	14,958	3.62	542	22	47	+100	.00	+3
07-02-65 010265156 011540292 5-73				31,32,33	52		14,798	3.63	537					
010295415 GREENWOOD HERITAGE.....*		30	2	16-21,23,	35	1.4	12,919	3.38	437	17	65	-710	-.11	-40
06-16-65 1305460 011592396 5-73				31,34,52	107		13,979	3.57	499					

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS HM/DAU	REC/DAU HERDMATE	MILK	%	FAT	% 1ST LACT	REPT INC	PREDICTED DIFFERENCES MILK	%	FAT	$$
010295644 ROSE VEGA RAG APPLE METEOR....*		15	1	8-16,21,	17	1.5	13,385	3.94	527	8	48	-802	+.15	-8	-31
07-27-65 010257174 011262784 5-73				22,23,32	25		15,116	3.63	549						
010295732 HOL-DEN CITATION SENATOR.....*		22	1	14-11,12,	22	1.4	13,547	4.03	546	25	55	-672	+.22	+6	-15
11-10-64 010255163 011620598 5-73				21,23,63	34		14,813	3.63	537						
010295910 JANSEN CRISSCROSS CELEBRITY...*		20	2	7-21,31,	27	1.5	13,796	3.58	494	14	59	-638	+.01	-21	-37
08-02-65 1378594 011077268 5-73				34,55,64	78		14,939	3.57	533						
010295935 ROMANDALE SHALIMAR TUTOR.....*		17	1	11-11,13,	18	1.3	15,185	3.40	516	22	50	+563	-.10	+6	+22
04-20-65 010255607 011551103 5-73				14,21,23	51		14,009	3.58	502						
010296156 ROYBROOK SYNCOM.....*		27	1	16-21,23,	30	1.6	13,721	3.64	499	17	63	-272	+.03	-6	-13
11-23-64 010281397 011658269 5-73				34,48,74	33		14,128	3.60	509						
010296166 FREEBAER GOLDEN THOR.....*		12	1	9-11,13,	12	1.2	12,579	3.49	439	**	39	-541	-.03	-23	-35
06-12-58 1259869 010810125 5-73				21,22,23	16		13,935	3.59	500						
010296462 ALMERSON ROCKMAN EDWIN.....*		18	1	6-16,21,	20	1.2	14,475	3.64	527	25	51	-48	+.01	0	-1
09-16-65 010275932 011523796 5-73				23,51,52	26		14,592	3.61	527						
010296553 TARA HILLS FONO CITATION.....*		24	1	9-13,16,	26	1.6	13,512	3.74	506	**	60	-685	+.11	-10	-29
03-13-65 010267150 011086005 5-73				21,23,64	30		14,688	3.57	525						
010296821 C V MASTER MONOGRAM.....*		22	3	14-21,23,	32	1.3	12,594	3.85	485	15	59	-1,080	+.13	-21	-50
05-26-65 010259958 011201960 5-73				34,56,57	152		14,419	3.62	522						
010296824 MORRIS ACRES CITATION MASTER..*		28	1	17-13,21,	32	1.4	12,967	3.40	441	17	63	-967	-.08	-46	-67
10-21-65 010267150 011318767 5-73				31,34,64	101		14,510	3.55	515						
010297247 CHAMBRIC VIKING.....*		11	1	4-16,21,	12	1.6	14,594	3.57	521	**	41	-76	.00	-3	-5
12-16-64 1215995 011254609 1-73				23,55	32		14,824	3.60	533						
010297279 SHADYWAY R A GEMINI.....*		15	1	6-13,21,	16	1.3	13,483	3.83	516	25	45	-528	+.12	-3	-18
10-14-64 010241954 011729660 5-73				22,23,34	38		14,650	3.58	525						
010299128 TRIELM PILOT.....*		17	1	11-23,31,	18	1.2	14,812	3.56	527	45	48	-111	-.02	-7	-9
04-07-66 010250008 011377561 5-73				32,33,56	26		15,116	3.62	547						
010299270 WENRON BLAINE STYLE MASTER....*		4	4	2-11,55	10	1.2	15,472	3.57	553	0	27	-393	-.04	-20	-28
06-14-66 010241954 011519825 1-73					41		17,239	3.75	646						
010299855 FAIRLEA ROYAL MARK.....*		20	1	12-13,21,	21	1.1	16,259	3.51	570	7	52	+533	-.02	+16	+29
08-06-66 010250008 011214195 5-73				31,33,34	98		15,325	3.54	542						
010299912 HOUCKHALL ROCKET CLIPPER.....*		13	1	5-21,23,	13	1.1	12,827	3.87	497	20	40	-963	+.12	-19	-45
07-02-66 010283014 010945470 5-73				51,54,55	27		15,337	3.59	550						
010299972 BRIDGECROSS PERSEUS ODN.....*		19	1	12-21,34,	23	1.4	14,804	3.53	523	24	55	+570	-.02	+17	+31
12-03-65 010260599 011489131 5-73				52,55,64	37		13,697	3.57	489						
010300122 KAS RADAR OUDE.....*		10	1	5-13,16,	11	1.2	15,867	3.35	532	**	36	+178	-.09	-5	0
06-12-66 010242033 011584065 1-73				21,23,51	29		15,488	3.59	556						
010300347 GLENAFTON BONAVENTURE.....*		33	1	16-21,22,	35	1.1	14,690	3.43	504	14	64	-210	-.10	-22	-24
07-07-66 010257150 011116870 5-73				23,34,52	54		15,087	3.59	542						
010300502 BONO HAVEN NUGGET.....*		28	1	17-14,21,	31	1.0	15,803	3.61	570	11	60	+55	+.02	+5	+6
09-15-66 010229512 011444171 5-73				23,31,32	41		15,858	3.58	567						
010300644 MADAWASKA CITATION RADAR.....*		11	1	8-16,21,	12	1.3	15,298	3.38	517	10	40	+194	-.10	-7	0
08-13-66 010242033 011671813 5-73				22,23,34	52		14,855	3.62	538						
010300994 GLADIBRAE TRIUNE LAD.....*		15	2	9-32,34,	20	1.0	15,068	3.78	570	0	47	+59	+.10	+16	+15
07-07-66 010275932 011274246 5-73				42,52,55	109		15,004	3.59	538						
010301590 ROSE VEGA SHAMROCK REMUS.....*		17	1	14-32,34,	20	1.1	14,792	3.60	533	5	49	+10	+.04	+6	+5
01-23-67 010250599 011262784 5-73				52,55,56	61		14,815	3.52	522						
010302667 .....*		10	2	9-21,22,	12	1.0	14,515	3.43	498	8	36	-250	-.05	-16	-21
5-73				23,55,74	60		15,307	3.59	549						
010302803 MEADOLAKE CITATION H.....*		33	2	15-21,23,	40	1.1	15,337	3.51	539	9	66	+148	-.04	-1	+4
08-14-66 010257150 011049831 5-73				31,32,55	38		15,192	3.58	544						
010303034 BAILEYS CENTENNIAL MARK.....*		15	1	9-21,22,	15	1.1	15,140	3.58	542	20	43	+217	+.01	+9	+14
02-21-67 010264137 011107783 5-73				23,31,32	50		14,665	3.55	521						
010305405 .....*		11	2	9-23,56,	15	1.0	14,673	3.44	505	20	41	-67	-.03	-6	-7
5-73				57,74,91	57		14,887	3.51	523						
11WAG0397		1	17	1-11	17	2.6	13,017	4.11	535	**	26	-259	+.09	+4	-5
5-73					27		13,958	3.74	522						
11WAI0390		2	9	1-11	11	2.7	13,361	3.62	484	9	26	-169	+.01	-5	-9
5-73					8		13,975	3.63	507						
11WAI5646		1	16	1-11	16	1.6	14,344	3.55	509	6	23	+20	.00	+1	+1
5-73					13		14,244	3.54	504						
11WAJ9051		1	11	1-11	11	4.0	11,277	3.73	421	0	26	-358	+.06	-4	-14
5-73					9		12,476	3.45	430						
11WAL7715		1	11	1-11	11	1.0	15,269	3.68	562	0	18	-86	+.01	-1	-3
5-73					67		15,895	3.66	582						
11WAM0805		1	12	1-11	12	1.0	15,280	3.82	584	33	19	-354	+.01	-11	-20
5-73					15		17,501	3.77	660						
12XAA2710		1	13	1-12	13	2.5	13,414	3.78	507	10	24	-359	+.01	-12	-21
5-73					35		14,953	3.79	567						
13AAW9745		1	18	1-13	18	1.7	11,551	3.40	393	19	24	-183	-.01	-8	-12
5-73					8		12,100	3.47	420						
13WAK9448		1	13	1-13	13	1.3	12,174	3.58	436	17	21	-106	+.01	-3	-6
1-73					16		12,506	3.61	451						
13WZV2047		1	17	1-13	17	2.6	16,008	3.34	534	9	26	+318	-.08	0	+10
5-73					11		14,808	3.61	535						
13WZV2088		1	15	1-13	15	1.6	16,145	3.52	568	**	22	-192	-.02	-10	-14
5-73					25		17,300	3.64	629						
14WAC0939		1	21	1-14	21	1.0	12,245	4.15	508	8	21	-242	+.01	-8	-14
5-73					2		13,294	4.16	553						
21ABP4568		1	15	1-21	15	2.5	14,939	3.76	561	0	25	-137	+.05	+2	-3
5-73					17		15,614	3.55	555						
21CLH5677		1	13	1-21	13	1.2	11,778	3.46	407	**	20	-207	-.01	-9	-14
9-72					12		12,652	3.56	450						
21WBV1217		1	31	1-21	31	3.3	12,147	3.66	444	**	29	-214	.00	-8	-13
5-73					27		12,716	3.70	471						

REGISTRATION NUMBER	NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HO	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS	REC/DAU	HERDMATE	MILK	%	FAT	IST LACT INC	% REPT	PREDICTED DIFFERENCES MILK	%	FAT	$$
21WOF00433			1	13	1-21	13	3.3		15,614	3.45	538	**	26	+125	-.01	+3	+6
5-73						6			15,221	3.47	528						
21WOF05966			1	11	1-21	11	1.6		11,606	3.49	405	10	21	-339	+.02	-10	-18
5-73						28			13,080	3.45	451						
21WOG2786			2	13	1-21	15	2.3		15,200	3.49	531	7	27	-83	-.01	-4	-6
5-73						17			15,638	3.53	552						
21WOM4C78			1	25	1-21	25	2.2		15,430	3.30	509	5	27	+346	-.04	+6	+15
5-73						30			14,132	3.41	482						
21WE03785			1	13	1-21	13	1.4		14,321	3.41	489	31	21	-84	-.01	-4	-6
5-73						19			14,764	3.45	510						
21WEF0188			1	16	1-21	16	1.0		12,551	3.47	435	6	20	-346	.00	-12	-20
5-73						29			14,283	3.49	499						
21WF07100			1	11	1-21	11	1.2		15,463	3.68	569	0	19	+111	+.01	+6	+8
5-73						22			14,935	3.60	538						
21WHL8799			1	14	1-21	14	1.0		13,864	3.30	457	36	19	-635	+.01	-21	-36
5-73						96			17,469	3.29	574						
23AOL4883			3	16	1-23	21	3.1		15,116	3.35	507	10	32	+176	-.10	-8	-1
5-73						15			14,589	3.69	538						
23AFN1490			1	13	1-54	13	2.2		9,992	3.54	354	**	23	-463	+.01	-16	-27
5-73						5			11,735	3.54	416						
23AHY5370			1	24	1-23	24	1.3		16,362	3.63	594	13	23	-106	-.01	-5	-7
5-73						8			17,099	3.68	630						
23AHY6779			1	21	1-23	21	1.9		13,775	3.56	490	19	25	-314	+.02	-9	-17
5-73						2			15,114	3.53	533						
23AJF3484			1	13	1-23	13	1.1		11,778	3.63	428	0	19	+132	-.01	+3	+6
9-72						9			10,734	3.71	398						
23AKS1199			1	12	1-23	12	1.8		14,386	3.48	500	0	22	-150	-.05	-13	-15
1-73						7			15,136	3.73	565						
23AL86852			1	21	1-23	21	1.0		9,741	3.87	377	0	21	-354	+.01	-12	-21
5-73						1			11,102	3.88	431						
23ALC6013			1	19	1-23	19	1.9		10,672	3.44	367	5	25	-145	-.03	-10	-13
5-73						20			10,907	3.65	398						
23ALQ2124			1	14	1-23	14	1.4		15,821	3.39	536	0	22	+165	-.05	-2	+3
5-73						12			15,125	3.65	552						
23ALP0809			1	11	1-23	11	1.0		12,650	3.36	425	0	18	+169	-.06	-2	+3
5-73						8			11,427	3.79	433						
23ALR8644			1	12	1-23	12	1.0		16,139	3.66	590	0	19	+363	.00	+13	+22
1-73						7			14,166	3.68	521						
23ANX1607			2	10	1-23	13	1.5		12,427	3.87	481	14	25	+19	.00	0	+1
9-72						7			12,126	3.93	477						
23AWS0404			1	14	1-23	14	1.0		11,303	3.54	400	0	19	-769	-.02	-30	-48
5-73						23			15,395	3.66	563						
23DI00921			1	10	1-23	10	2.0		14,394	3.97	572	17	22	-180	+.05	0	-5
1-73						23			15,327	3.76	577						
31WAR8575			3	10	1-31	15	1.0		15,849	3.56	565	8	25	+194	-.03	+3	+8
5-73						38			15,133	3.68	557						
31WAS4824			1	13	1-31	13	1.2		16,430	3.57	587	0	20	+158	-.05	-2	+3
5-73						2			15,771	3.88	612						
31XBR3341			1	12	1-31	12	1.3		17,048	3.48	593	0	20	+418	-.01	+14	+24
5-73						4			15,045	3.48	523						
31XCG1552			1	14	1-31	14	1.4		12,093	4.28	518	7	21	-357	+.06	-4	-14
5-73						19			13,724	3.95	542						
32WAJ1509			1	21	1-32	21	2.1		16,275	3.83	623	11	26	+283	+.03	+14	+20
5-73						13			15,275	3.75	573						
32WAJ2029			1	27	1-32	27	2.4		15,606	3.51	547	11	28	+441	-.03	+11	+22
5-73						12			13,957	3.62	505						
32WAJ7424			1	14	1-32	14	1.0		12,183	3.79	462	7	19	+93	-.01	+2	+4
5-73						2			11,403	3.88	443						
33WAP6089			1	11	1-43	11	1.7		11,777	3.59	423	10	22	-333	+.01	-10	-18
5-73						15			13,204	3.56	470						
33WAR1093			1	17	1-33	17	1.0		14,428	3.60	520	12	20	-99	-.02	-6	-8
1-73						13			14,982	3.72	558						
33WAZ6899			2	10	1-33	19	1.8		11,609	3.51	407	16	34	-181	-.02	-9	-13
5-73						8			11,902	3.59	427						
33WBA2929			1	21	1-33	21	1.8		19,904	3.44	684	**	25	+533	-.03	+14	+28
5-73						6			18,155	3.53	641						
34WBA7C30			1	15	1-34	15	1.4		15,522	3.52	547	7	22	-84	-.02	-6	-7
5-73						28			16,087	3.64	585						
34ZOE1381			1	10	1-34	10	1.3		13,506	3.66	494	10	19	-136	-.01	-7	-10
5-73						14			14,232	3.77	535						
34ZOJ3775			1	11	1-34	11	1.6		15,704	3.46	544	0	21	-65	.00	-3	-4
5-73						8			16,194	3.51	569						
35BTH6885			1	14	1-35	14	1.0		12,543	3.56	446	50	19	-367	+.07	-4	-14
5-73						6			14,454	3.22	466						
35OST3333			1	26	1-35	26	2.4		10,089	3.67	370	4	28	-486	+.03	-13	-25
5-73						18			11,557	3.56	411						
35THP2222			1	11	1-35	11	2.6		13,781	3.48	480	13	23	-285	-.02	-13	-19
5-73						20			15,103	3.60	544						
35WAU0281			1	11	1-35	11	2.2		12,722	3.78	481	**	23	-431	+.04	-10	-21
5-73						14			14,625	3.63	531						
35WBF6469			2	9	1-35	11	3.2		14,000	3.85	539	10	27	+94	+.05	+11	+12
5-73						11			13,564	3.65	495						
35WBG9491			1	15	1-35	15	2.4		14,206	3.60	512	**	25	+304	-.01	+9	+17
5-73						6			12,846	3.67	471						

REGISTRATION NUMBER	NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS HM/DAU	REC/DAU HEROMATE	MILK	% MILK	FAT	% FAT	1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
35W8M1932			1	45	1-35	45	1.8	13,151	3.54	466	**	27		+38	-.01	0	+1
5-73						2		12,856	3.62	465							
35WB00524			1	10	1-35	10	1.8	14,794	3.58	530	20	21		0	-.03	-4	-3
5-73						2		14,840	3.77	560							
35W8Q3168			1	13	1-35	13	1.9	13,104	4.04	530	20	23		-329	.00	-12	-20
5-73						15		14,550	4.09	595							
35WBS4093			1	26	1-35	26	1.2	11,706	3.65	427	**	23		-317	+.02	-8	-16
5-73						4		12,958	3.57	463							
35WJA9346			2	11	1-35	21	2.1	15,410	3.72	574	31	35		-117	.00	-4	-7
5-73						10		15,900	3.74	595							
35WJC8750			2	21	1-35	23	1.8	15,642	3.80	595	**	27		-287	+.02	-7	-14
5-73						9		16,985	3.75	637							
35WJ00225			1	16	1-35	16	2.2	13,456	3.83	516	0	25		-323	+.05	-5	-14
5-73						8		14,798	3.67	543							
35WJE4200			1	14	1-35	14	1.8	11,256	3.93	442	0	23		-258	+.02	-6	-13
5-73						8		12,161	3.83	466							
35WJF6234			1	10	1-35	10	1.1	12,794	4.04	517	0	18		-174	+.04	0	-5
1-73						10		13,683	3.84	525							
35WJG3243			2	13	1-35	18	2.1	14,918	3.60	537	**	30		+200	-.04	+1	+7
5-73						12		14,222	3.76	535							
35WJG3244			8	12	1-35	46	2.0	15,384	3.67	565	**	53		+177	-.04	0	+5
5-73						21		15,120	3.79	573							
35WJG3600			1	18	1-35	18	2.0	12,538	3.61	452	0	25		-227	+.02	-6	-12
5-73						13		13,359	3.56	476							
35WJG3748			1	27	1-35	27	2.0	12,497	3.50	437	**	26		-218	-.01	-9	-14
5-73						8		13,212	3.56	470							
35WJG4034			1	10	1-35	10	1.5	12,473	3.62	452	10	20		-203	+.01	-6	-11
5-73						2		13,414	3.63	487							
35WJG4050			1	12	1-35	12	1.6	17,488	3.70	647	**	21		+305	.00	+11	+18
5-73						19		16,220	3.73	605							
35WJG6123			1	10	1-35	10	1.4	13,177	3.57	471	33	20		-121	.00	-5	-8
1-73						11		13,735	3.64	500							
35WJJ1495			1	14	1-35	14	1.5	12,668	3.75	475	18	22		-229	+.04	-3	-9
5-73						10		13,650	3.59	490							
35WJK6901			1	25	1-35	25	2.1	15,249	3.82	583	27	26		+192	+.03	+12	+16
5-73						16		14,528	3.72	540							
35WJK6902			1	11	1-35	11	1.0	14,515	3.69	535	20	18		-114	.00	-4	-7
5-73						30		15,229	3.71	565							
35WJL6700			1	22	1-35	22	2.2	14,596	3.75	548	5	26		+286	-.01	+9	+16
5-73						8		13,412	3.82	512							
35WJQ8244			1	10	1-35	10	2.0	13,426	3.60	484	0	22		-221	+.02	-5	-11
1-73						7		14,430	3.53	510							
35WJS4723			1	15	1-35	15	1.7	14,128	3.87	547	**	23		-22	.00	-1	-1
5-73						35		14,207	3.94	560							
35WJT6570			1	13	1-35	13	1.0	14,829	3.61	535	0	19		+363	+.03	+18	+26
5-73						5		12,752	3.40	434							
35XG88191			1	20	1-35	20	2.7	15,206	3.85	586	11	27		+45	-.01	0	+1
1-73						10		15,110	3.96	599							
35XJ03317			1	15	1-35	15	1.9	17,358	3.75	651	7	24		+241	+.05	+16	+20
1-73						5		16,569	3.58	593							
35XJ03497			1	10	1-35	10	1.0	15,227	3.57	544	0	18		+254	-.02	+6	+13
1-73						13		13,723	3.72	511							
350BG9196			1	16	1-35	16	1.1	15,812	4.07	643	21	21		-38	+.06	+7	+5
5-73						18		16,178	3.82	618							
41AFB8517			1	17	1-41	17	2.5	13,654	3.76	514	19	26		-173	+.01	-5	-9
5-73						10		14,320	3.76	536							
41AJA0811			1	17	1-41	17	2.1	13,414	3.68	493	17	25		-354	+.05	-6	-16
5-73						11		14,890	3.49	520							
41JEU1966			1	13	1-41	13	1.2	14,172	3.79	537	15	20		+316	-.01	+10	+18
9-72						3		12,411	3.90	484							
41W8A1532			1	15	1-41	15	3.2	15,181	3.66	555	11	26		-127	.00	-4	-7
5-73						6		15,828	3.66	579							
41W8A8838			1	15	1-41	15	1.1	16,662	3.23	538	8	20		+550	-.05	+12	+27
5-73						1		13,858	3.40	471							
41W8C5412			2	20	1-41	38	3.1	13,875	3.66	508	11	42		-202	+.03	-3	-9
5-73						7		14,355	3.61	518							
41W8E7197			1	23	1-41	23	3.2	14,796	3.60	533	**	28		+111	-.01	+2	+5
5-73						5		14,402	3.65	526							
41WBE9929			2	15	1-41	21	1.6	13,674	3.47	474	40	29		-338	+.01	-11	-19
5-73						6		14,884	3.46	515							
41W8F4011			1	10	1-41	10	2.5	18,814	3.76	708	10	23		+568	.00	+20	+34
5-73						31		16,560	3.83	634							
41WBF8151			2	8	1-41	15	1.7	11,130	3.48	387	9	30		-72	.00	-3	-5
9-72						4		11,039	3.52	389							
41WBG0758			1	19	1-41	19	1.6	12,601	3.74	471	0	24		-361	+.04	-8	-17
5-73						10		14,112	3.61	510							
41WBG5273			1	13	1-41	13	1.3	12,875	3.48	448	0	21		-111	+.01	-2	-5
5-73						6		13,316	3.44	458							
41WBH4534			1	10	1-41	10	2.3	12,458	3.48	433	0	22		+44	-.01	0	+1
5-73						4		12,020	3.59	431							
41WBH6576			1	14	1-41	14	2.8	14,397	3.53	508	**	25		+16	.00	+1	+1
5-73						3		14,327	3.52	504							
41WBI5297			1	15	1-41	15	2.1	17,284	3.66	632	7	25		+130	-.04	-1	+3
1-73						25		17,020	3.85	655							

REGISTRATION NUMBER	NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- MOST	WITH DAUS	... DAUGHTERS AND HERDMATES ... DAUS HM/DAU	REC/DAU HERDMATE	MILK	%	FAT	%	1ST LNC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
41W8I5737			1	13	1-41		13	1.8	13,661	3.54	484		23	22	-368	-.01	-15	-23
		5-73					22		15,410	3.63	560							
41W8J0324			1	19	1-41		19	2.1	14,559	3.76	547		11	25	-146	-.01	-6	-9
		5-73					13		15,236	3.82	582							
41W8J0595			2	13	1-41		16	2.7	12,385	3.68	456		13	29	-147	+.03	-1	-5
		5-73					9		12,726	3.58	455							
41W8J1262			1	20	1-41		20	3.2	15,099	3.41	515		10	28	+131	-.02	+2	+6
		5-73					8		14,654	3.47	508							
41W8J1419			1	10	1-41		10	2.1	14,678	3.79	556		0	22	-211	+.05	0	-6
		5-73					15		15,788	3.55	561							
41W8K4989			1	15	1-41		15	1.9	13,491	3.45	466		0	24	-252	-.05	-16	-21
		5-73					15		14,566	3.69	538							
41W8L9861			3	10	1-41		15	2.2	16,444	3.64	598		17	30	+5	+.01	+2	+2
		5-73					11		16,654	3.59	598							
41W8M6302			1	12	1-41		12	1.9	12,247	3.59	440		0	23	-347	+.03	-9	-18
		1-73					13		13,698	3.50	480							
41W8O0895			3	26	1-41		30	2.8	13,980	3.43	480		4	31	-7	-.04	-6	-5
		5-73					19		13,964	3.58	500							
41W8O0899			1	14	1-41		14	2.4	13,047	3.83	500		3	25	-117	+.01	-3	-6
		1-73					13		13,416	3.85	516							
41W8O7156			1	16	1-41		16	1.1	12,316	3.82	470		38	20	-383	+.03	-9	-19
		5-73					18		14,188	3.66	519							
41W8O8280			1	15	1-41		15	3.3	13,566	4.11	557		20	26	-57	+.04	+4	+2
		5-73					7		13,722	3.97	545							
41W8O3095			1	14	1-41		14	2.4	13,893	3.75	521		0	25	-238	-.01	-10	-15
		5-73					9		14,913	3.82	570							
41W8O4891			1	12	1-41		12	2.5	13,297	3.51	467		25	24	-253	-.01	-11	-17
		1-73					12		14,359	3.59	515							
41W8R3133			1	17	1-41		17	2.3	11,786	4.04	476		**	25	-312	+.09	+2	-8
		5-73					16		12,892	3.60	464							
41W8R3780			1	17	1-41		17	2.1	14,825	3.99	592		6	25	-189	+.09	+6	-1
		5-73					8		15,717	3.66	575							
41W8R6890			1	12	1-41		12	1.4	9,110	3.67	334		**	20	-617	-.02	-25	-39
		5-73					3		11,890	3.82	454							
41W8R8280			1	11	1-41		11	1.9	14,379	3.53	508		0	22	-106	-.02	-7	-9
		5-73					15		14,912	3.67	547							
41W8R8295			1	11	1-41		11	1.9	11,331	3.44	390		18	22	-426	-.02	-18	-28
		5-73					10		13,166	3.61	475							
41W8R8383			1	14	1-41		14	1.4	16,810	3.75	630		10	22	-20	.00	-1	-1
		5-73					8		17,187	3.79	651							
41W8R8384			1	15	1-41		15	1.1	15,298	3.56	544		23	20	+45	.00	+2	+3
		1-73					12		15,146	3.53	534							
41W8S3486			1	10	1-41		10	1.7	14,665	3.51	515		0	21	+97	-.02	0	+3
		5-73					15		14,179	3.65	517							
41W8S4913			2	47	1-41		51	1.9	12,876	3.84	495		**	29	-86	+.07	+7	+3
		5-73					9		13,039	3.57	465							
41W8T2400			1	11	1-41		11	1.0	12,403	3.75	465		13	18	-76	+.04	+3	0
		5-73					7		12,655	3.50	443							
41W8T8793			1	33	1-41		33	2.1	12,511	3.84	481		6	27	-356	+.05	-6	-16
		5-73					4		13,753	3.67	505							
41W8U2193			1	12	1-41		12	1.4	14,526	3.55	515		**	21	-59	.00	-2	-3
		5-73					1		14,864	3.58	532							
41W8U9505			1	10	1-41		10	1.9	11,936	3.86	461		10	21	-356	+.03	-9	-18
		5-73					4		13,519	3.74	506							
41W8V7699			1	18	1-41		18	2.1	12,793	3.81	487		17	25	-373	+.07	-4	-15
		5-73					8		14,271	3.55	506							
41W8V9018			1	12	1-41		12	1.9	10,167	3.50	356		38	22	-325	-.02	-14	-21
		5-73					18		11,329	3.66	415							
41W8V9390			1	12	1-41		12	1.4	16,212	3.32	539		17	20	+150	-.01	+4	+8
		5-73					2		15,599	3.35	522							
41W8W3C86			1	11	1-41		11	1.9	14,834	3.35	497		0	22	-17	-.02	-3	-3
		5-73					10		14,972	3.43	513							
41W8W5423			1	30	1-41		30	2.2	12,646	3.55	449		12	27	-23	+.01	+1	0
		5-73					3		12,550	3.50	439							
41WCA3808			1	18	1-41		18	3.4	14,419	3.79	546		0	28	-301	+.01	-9	-17
		5-73					10		15,633	3.76	588							
41WCA3982			1	18	1-41		18	3.7	15,873	3.87	615		**	28	+314	+.04	+17	+23
		5-73					6		14,759	3.76	556							
41WCA4353			1	14	1-41		14	2.4	11,435	3.71	424		**	24	-427	.00	-16	-26
		1-73					3		13,094	3.77	494							
41WCF2495			1	16	1-41		16	2.4	14,659	3.51	515		20	25	-14	.00	-1	-1
		5-73					6		14,754	3.54	523							
41WCJ3695			2	12	1-41		24	2.0	13,653	3.42	467		6	37	-169	.00	-6	-10
		5-73					7		14,085	3.43	483							
41WCM1695			2	37	1-41		41	2.0	13,099	3.66	479		20	29	-267	.00	-10	-16
		5-73					9		13,985	3.70	517							
41WC06420			1	34	1-41		34	2.3	14,927	3.46	516		9	28	+50	+.02	+5	+6
		5-73					8		14,790	3.36	497							
41WCP2471			1	12	1-41		12	3.6	13,711	3.30	453		0	26	-233	.00	-8	-14
		5-73					10		14,652	3.30	483							
41WC94421			1	20	1-41		20	2.5	11,281	3.49	394		**	26	-260	-.01	-11	-17
		5-73					1		12,037	3.59	432							
41WCS0C62			1	10	1-41		10	1.0	14,342	3.59	515		44	18	-184	-.03	-11	-15
		1-73					17		15,500	3.81	590							

REGISTRATION NUMBER	NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO. WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS	REC/DAU	HM/DAU	HERDMATE MILK	% MILK	FAT MILK	% FAT	1ST LACT INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
41WCT6875			1	10	1-41	10	2.2		16,728	3.34	558		10	22	+55	-.03	-3	-1
		5-73				7			16,711	3.49	583							
41WCT8980			1	13	1-41	13	1.9		15,967	3.31	529		23	23	+93	-.04	-3	0
		5-73				5			15,694	3.51	551							
41WCU2996			1	11	1-41	11	2.4		11,566	3.61	417		**	23	-195	.00	-7	-12
		5-73				3			12,214	3.63	443							
41WCU6968			1	10	1-41	10	4.0		12,175	4.07	495		13	24	-215	+.07	+2	-5
		5-73				14			12,920	3.75	485							
41WCW0343			1	15	1-41	15	2.7		13,177	3.65	481		**	24	-96	+.01	-2	-5
		5-73				17			13,487	3.64	491							
41WCW3567			1	19	1-41	19	1.9		12,920	4.02	519		6	25	+69	+.07	+12	+12
		5-73				5			12,447	3.72	463							
41WCX5997			1	13	1-41	13	1.0		14,742	3.65	538		0	19	-55	+.06	+6	+3
		5-73				1			15,106	3.35	506							
41WCY3315			1	12	1-41	12	2.3		12,121	3.58	434		**	24	-418	+.02	-12	-23
		1-73				4			13,851	3.52	487							
41W082306			2	15	1-41	17	1.4		16,595	3.56	590		0	24	+127	-.03	0	+4
		5-73				2			16,249	3.68	598							
41W0C5210			2	8	1-41	14	1.9		13,491	3.54	478		**	29	-288	+.02	-7	-14
		5-73				5			14,482	3.48	504							
41W0C5476			2	6	1-41	10	2.2		9,859	3.30	325		20	28	-464	-.02	-20	-30
		5-73				3			11,207	3.45	387							
41W002548			1	16	1-41	16	1.8		13,874	3.99	554		13	23	-288	+.08	+1	-8
		5-73				18			15,191	3.64	553							
41W009389			1	26	1-41	26	1.8		15,246	3.60	549		8	25	+21	+.04	+7	+6
		5-73				16			15,247	3.42	521							
41W009674			1	17	1-41	17	2.4		15,515	3.40	528		15	25	+199	-.04	+2	+8
		5-73				18			14,762	3.52	519							
41W0E6124			2	23	1-41	45	1.3		14,151	3.65	517		16	38	-55	+.05	+5	+2
		5-73				3			14,291	3.52	503							
41W0E7434			1	12	1-41	12	1.5		14,747	3.59	530		17	21	+164	-.01	+5	+9
		5-73				8			13,920	3.63	505							
41W0F3918			1	13	1-41	13	2.8		18,412	3.47	638		**	25	+289	+.01	+12	+19
		5-73				7			17,578	3.40	598							
41W0G8C68			1	15	1-41	15	1.4		11,835	3.85	456		7	22	-375	+.05	-6	-16
		5-73				7			13,478	3.61	487							
41W0H3362			1	25	1-41	25	2.5		14,819	3.52	522		6	28	-64	+.01	-1	-3
		5-73				5			15,127	3.51	531							
41W0I0646			1	11	1-41	11	2.2		14,134	3.40	481		0	23	+256	-.03	+5	+12
		5-73				6			12,845	3.53	453							
41W0I7355			1	17	1-41	17	1.5		12,212	3.77	460		12	23	-196	+.02	-4	-9
		5-73				3			12,936	3.68	476							
41W0N1267			1	21	1-41	21	1.5		14,539	3.67	534		0	24	+94	-.01	+2	+4
		5-73				4			14,117	3.71	524							
41W0N4618			1	12	1-41	12	1.3		14,228	3.48	495		8	20	-57	-.01	-3	-4
		1-73				11			14,527	3.54	514							
41W0N4634			1	25	1-41	25	1.2		14,738	3.74	551		20	23	-199	+.01	-6	-11
		5-73				6			15,756	3.73	587							
41W0N4693			1	11	1-41	11	1.1		14,869	3.32	494		18	19	-34	-.03	-6	-6
		5-73				16			15,129	3.53	534							
41W0O0125			1	21	1-41	21	1.3		14,545	3.82	556		10	23	+142	+.02	+8	+11
		5-73				2			13,872	3.74	519							
41W0P7275			1	21	1-41	21	1.0		12,314	3.62	446		0	21	0	+.01	+1	+1
		1-73				1			12,090	3.58	433							
41W0Y7400			1	11	1-41	11	2.4		12,446	3.53	439		9	22	-246	+.01	-8	-14
		5-73				10			13,457	3.51	473							
41WEA1070			1	10	1-41	10	1.1		15,631	3.21	501		50	18	+173	-.04	0	+5
		1-73				8			14,711	3.39	499							
41WE81C29			1	10	1-41	10	1.1		14,517	3.46	502		20	18	-359	+.04	-7	-17
		1-73				4			16,727	3.30	552							
41WE81087			1	11	1-41	11	1.0		14,193	3.92	556		18	18	+62	+.07	+12	+12
		5-73				15			13,794	3.51	484							
41WE82C57			1	11	1-41	11	1.8		14,251	3.50	499		45	21	-439	+.01	-15	-26
		5-73				8			16,521	3.51	580							
41WE89673			1	10	1-41	10	2.1		13,641	3.56	485		0	22	-351	-.03	-17	-25
		1-73				5			15,336	3.73	572							
41WEC5346			1	13	1-41	13	1.6		13,552	4.15	562		8	22	-221	+.04	-3	-9
		5-73				10			14,602	4.03	588							
41WE00849			1	14	1-41	14	1.0		12,933	3.63	470		**	19	-496	-.02	-21	-32
		5-73				1			15,630	3.77	589							
41WE07358			1	21	1-41	21	1.3		11,713	3.88	455		0	23	-384	+.03	-10	-20
		5-73				5			13,291	3.78	502							
41WEE0524			2	11	1-41	13	1.0		13,985	3.79	530		36	21	-214	+.03	-3	-9
		1-73				25			15,096	3.65	551							
41WEE2894			1	30	1-41	30	1.5		13,271	3.98	528		20	25	-50	+.04	+4	+2
		5-73				10			13,377	3.83	513							
41WEF1894			1	14	1-41	14	1.2		14,299	3.39	485		27	20	-79	.00	-3	-5
		5-73				2			14,723	3.41	502							
41WEF4641			1	12	1-41	12	1.2		12,705	3.35	425		0	19	-140	-.02	-8	-11
		1-73				18			13,325	3.49	465							
41WEF4683			1	14	1-41	14	1.8		15,771	3.68	580		0	23	+128	+.02	+8	+10
		5-73				12			15,306	3.57	547							
41WEH2775			1	24	1-41	24	1.0		12,580	4.05	509		4	22	-134	+.04	+1	-3
		1-73				25			13,078	3.85	504							

REGISTRATION NUMBER	NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS HM/DAU	REC/DAU HERDMATE	MILK	%	FAT	% FAT	IST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
41WEH4163			1	10	1-41	10	1.0	10,758	3.50	377		13	18	-154	.00	-6	-10
	5-73					21		11,327	3.59	407							
41WEH6215			1	17	1-41	17	1.0	15,306	3.29	504		**	20	-143	.00	-5	-8
	5-73					10		16,197	3.30	535							
41WEH6216			1	12	1-41	12	1.0	16,296	3.35	546		0	19	+217	-.01	+7	+12
	5-73					14		15,212	3.33	507							
41WEM9539			1	17	1-41	17	1.0	15,092	3.87	584		25	20	-162	+.01	-4	-8
	5-73					1		16,067	3.86	620							
41XEE6875			1	14	1-41	14	1.7	15,318	3.73	571		7	23	-38	+.02	+2	0
	5-73					19		15,612	3.64	569							
41XEI9524			1	10	1-41	10	1.0	13,881	3.66	508		30	18	-261	.00	-9	-15
	5-73					25		15,468	3.69	571							
41XED1293			1	10	1-41	10	3.7	12,120	3.82	463		**	24	-146	.00	-5	-9
	5-73					12		12,538	3.86	484							
41XFW7110			1	17	1-41	17	1.0	15,886	3.60	572		29	20	+39	.00	+1	+2
	5-73					19		15,837	3.61	572							
41XYX4716			1	12	1-41	12	1.0	11,737	3.88	455		0	19	-444	+.06	-8	-20
	5-73					1		14,103	3.56	502							
41XZV7137			1	19	1-41	19	2.5	16,611	3.58	594		0	27	+316	-.02	+8	+16
	5-73					11		15,542	3.65	567							
41XZY7018			1	11	1-41	11	2.2	11,494	3.63	417		0	22	-499	-.01	-20	-32
	5-73					2		13,684	3.73	510							
41XZY7130			1	14	1-41	14	3.2	15,945	3.45	550		15	26	+364	-.09	0	+11
	5-73					13		14,551	3.80	553							
42ADC4227			1	21	1-42	21	2.1	14,583	3.70	540		5	26	+143	+.01	+7	+10
	5-73					10		13,987	3.67	514							
42AGE1499			1	17	1-42	17	1.7	13,240	3.78	501		**	23	-135	+.04	+1	-3
	1-73					5		13,759	3.60	496							
42APA9491			1	12	1-42	12	2.4	10,018	3.56	357		**	23	-335	-.01	-14	-22
	1-73					6		11,134	3.68	410							
42APK8194			1	20	1-42	20	1.5	13,121	3.53	463		**	24	-19	.00	-1	-1
	5-73					7		13,076	3.58	468							
42DAG2388			1	16	1-42	16	1.8	11,765	3.77	444		31	24	-187	.00	-7	-11
	5-73					5		12,354	3.84	474							
42WAQ6949			1	13	1-42	13	1.4	15,130	3.87	585		8	21	+122	+.04	+10	+12
	5-73					6		14,565	3.70	539							
42WAU9841			1	27	1-42	27	2.9	12,895	3.98	513		**	28	-315	+.04	-6	-14
	5-73					12		13,964	3.87	540							
42WAW8990			1	10	1-42	10	2.6	15,249	3.24	494		20	23	+167	-.04	0	+5
	5-73					9		14,528	3.41	495							
42WAY0768			1	19	1-42	19	2.8	14,247	3.62	516		18	26	+168	-.01	+4	+8
	5-73					6		13,509	3.69	498							
42W8C2667			1	32	1-42	32	1.3	16,303	3.55	579		7	24	-109	-.01	-5	-7
	1-73					19		17,027	3.61	614							
42W8C6520			1	12	1-42	12	1.4	12,473	3.34	417		**	20	-177	-.04	-12	-15
	5-73					3		13,251	3.63	481							
42W8C6684			1	13	1-42	13	2.8	11,156	3.31	369		13	25	-472	-.04	-22	-32
	5-73					6		12,917	3.52	455							
42W8C6815			1	12	1-42	12	1.7	12,638	3.47	438		0	22	+33	-.02	-2	-1
	5-73					11		12,273	3.63	445							
42W8D1328			1	11	1-42	11	3.3	11,074	3.57	395		**	25	-134	+.01	-4	-7
	5-73					4		11,317	3.55	402							
42W8D4299			1	18	1-42	18	2.0	13,711	3.46	474		**	24	+103	-.04	-2	+1
	5-73					1		13,165	3.65	481							
42W8I0153			1	13	1-42	13	3.2	13,052	3.69	482		27	25	-2	+.04	+5	+4
	5-73					5		12,917	3.54	457							
42W8I1390			1	15	1-42	15	2.1	13,121	3.96	519		7	24	-173	+.06	+3	-3
	5-73					7		13,770	3.66	504							
42W8K3775			1	11	1-42	11	2.3	11,162	3.65	407		9	23	-270	+.03	-6	-13
	9-72					10		12,123	3.56	431							
42W8K6565			1	14	1-42	14	1.1	16,248	3.64	591		7	20	+77	-.01	+1	+3
	5-73					12		16,026	3.71	595							
42W8L3365			1	21	1-42	21	1.0	12,975	3.63	471		5	21	+133	+.01	+6	+9
	1-73					15		12,114	3.59	435							
42W8L6266			1	56	1-42	56	1.4	12,181	3.80	463		16	26	-387	+.01	-13	-22
	1-73					9		13,620	3.79	516							
42W8L6280			1	10	1-42	10	1.0	16,291	3.73	608		**	18	+299	+.02	+13	+20
	5-73					5		14,625	3.66	536							
42W8L7495			1	10	1-42	10	1.2	13,243	3.62	479		**	19	-114	-.01	-5	-8
	5-73					2		13,800	3.72	513							
42W8L7497			1	31	1-42	31	1.0	11,857	3.65	433		**	22	-165	-.02	-9	-12
	5-73					3		12,404	3.82	474							
42W8L8777			1	10	1-42	10	1.6	14,135	3.71	525		**	21	+206	.00	+8	+13
	5-73					5		12,991	3.73	485							
42W8M0130			1	13	1-42	13	1.5	11,370	3.52	400		0	21	-212	+.01	-6	-11
	5-73					3		12,146	3.48	423							
42W8M0208			1	13	1-42	13	1.9	16,312	3.30	538		0	23	+192	-.04	+1	+7
	5-73					3		15,608	3.43	535							
42W8N7404			1	14	1-42	14	2.6	13,093	3.52	461		8	25	+30	-.01	-1	0
	5-73					6		12,817	3.62	464							
42W8N9887			1	11	1-42	11	2.0	15,817	3.57	564		0	22	+47	+.04	+8	+8
	5-73					5		15,737	3.36	529							
42W8P1909			1	21	1-42	21	1.9	16,355	3.58	585		14	25	+189	-.02	+4	+9
	5-73					8		15,743	3.65	574							

REGISTRATION NUMBER	NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HO	STATES ND- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS HM/DAU	REC/DAU HERDMATE	MILK	% MILK	FAT	% FAT	1ST LACT INC	REPT %	PREDICTED DIFFERENCES MILK	% FAT	FAT $$
42W8R0775			1	20	1-42	20	1.3	11,299	3.66	413	11	22	-339	+.03	-8	-17
5-73						3		12,671	3.52	446						
42W8R7493			1	12	1-42	12	2.4	12,931	3.63	469	**	24	+210	.00	+8	+13
5-73						10		11,786	3.60	424						
42W8S2266			1	11	1-42	11	1.3	12,514	3.51	439	**	20	-88	-.03	-7	-8
5-73						2		12,814	3.71	476						
42W8S3109			1	10	1-42	10	1.2	15,299	3.54	542	0	19	+196	-.02	+4	+9
5-73						14		14,231	3.66	521						
42W8S3282			1	11	1-42	11	1.2	13,767	3.48	479	**	19	-22	-.03	-5	-5
1-73						3		13,831	3.69	510						
42W8S5639			1	21	1-42	21	1.3	12,899	3.74	483	8	23	+57	+.01	+3	+4
5-73						12		12,455	3.74	466						
42W8S6999			1	18	1-42	18	1.9	13,367	3.34	446	18	25	-96	.00	-4	-6
5-73						7		13,693	3.37	461						
42W8S7500			1	14	1-42	14	2.1	13,132	3.57	469	0	24	-270	+.05	-2	-10
5-73						14		14,224	3.35	476						
42W8T9452			1	14	1-42	14	2.0	12,539	3.67	460	**	23	-17	.00	0	-1
5-73						2		12,417	3.64	452						
42W8U5772			1	10	1-42	10	1.8	15,464	3.63	562	**	21	+51	-.01	+1	+2
1-73						6		15,310	3.65	559						
42W8W6034			1	11	1-42	11	1.4	12,420	4.11	510	29	20	-65	+.04	+4	+1
1-73						10		12,567	3.88	488						
42W8W6117			2	10	1-42	15	1.2	14,138	3.55	502	0	25	+400	-.03	+10	+20
1-73						5		12,353	3.68	454						
42W8Y3386			1	15	1-42	15	1.4	14,675	3.38	496	7	22	+136	-.01	+3	+7
5-73						1		13,999	3.43	480						
42W8Y3824			1	20	1-42	20	1.3	13,405	3.33	447	15	22	-148	+.01	-4	-8
9-72						6		14,043	3.30	464						
42WCC1168			2	8	1-42	10	1.0	14,072	3.52	496	90	20	+318	-.03	+7	+15
5-73						12		12,224	3.70	452						
42WCC4378			1	10	1-42	10	1.0	14,527	4.03	586	20	18	+63	+.02	+5	+6
5-73						8		14,147	3.99	565						
42X8C2416			1	20	1-42	20	2.7	12,304	3.63	447	0	27	-83	.00	-3	-5
5-73						15		12,423	3.67	456						
42X8D6662			1	10	1-42	10	1.0	10,642	3.37	359	10	18	-356	-.01	-14	-22
5-73						18		12,465	3.48	434						
42X8U6446			1	13	1-42	13	1.9	12,882	3.45	445	9	23	+122	-.03	0	+4
5-73						17		12,116	3.62	439						
42X8Y6533			1	12	1-42	12	2.4	14,342	3.49	500	8	24	-113	-.01	-5	-8
1-73						10		14,862	3.53	524						
43WAE6150			1	14	1-43	14	3.6	15,621	3.49	545	7	27	+409	+.03	+19	+28
5-73						13		14,055	3.33	468						
43WAF9616			1	13	1-43	13	2.2	14,119	3.60	508	9	24	-114	-.02	-7	-9
5-73						20		14,627	3.71	543						
43WAH5781			1	14	1-43	14	1.1	15,678	3.65	572	21	20	+4	+.02	+3	+3
5-73						31		15,800	3.56	563						
43WAH5877			1	18	1-43	18	1.4	14,660	3.75	550	28	22	-224	+.05	-1	-8
5-73						30		15,807	3.55	561						
45WAC7939			1	44	1-45	44	2.4	13,073	3.63	475	**	29	+50	.00	+2	+3
5-73						13		12,731	3.62	461						
45WAD6692			1	18	1-45	18	2.2	12,675	3.37	427	6	25	-313	-.03	-15	-22
5-73						21		13,865	3.51	486						
45WA07717			1	48	1-45	48	2.4	13,101	3.61	473	**	29	+52	-.01	+1	+2
5-73						10		12,756	3.64	464						
46WA87320			1	26	1-46	26	3.3	12,518	3.30	413	**	29	-202	.00	-7	-12
5-73						7		13,083	3.29	430						
47WA08698			1	15	1-47	15	1.3	12,483	3.55	443	0	21	-221	-.03	-12	-17
5-73						24		13,422	3.76	504						
47WAE0487			1	12	1-47	12	1.8	13,152	4.03	530	33	22	-219	+.05	-1	-7
5-73						4		14,140	3.81	539						
47WAE4849			1	10	1-47	10	1.0	15,376	3.66	562	10	18	+374	.00	+14	+23
5-73						4		13,135	3.63	477						
47WAE4875			2	13	1-47	23	1.8	13,348	4.02	537	18	35	-466	+.08	-5	-18
5-73						17		14,706	3.79	557						
47WAF0416			1	21	1-47	21	1.1	15,310	3.81	583	19	22	+157	.00	+5	+9
5-73						5		14,612	3.87	565						
47WAF0473			1	11	1-47	11	1.4	13,655	3.94	538	18	20	-220	+.04	-2	-8
5-73						17		14,805	3.76	557						
48WAD9800			1	15	1-48	15	1.9	13,445	3.63	488	36	23	-186	-.01	-8	-12
5-73						17		14,233	3.70	526						
48WAE0601			1	52	1-48	52	2.2	13,174	3.62	477	23	28	-58	.00	-2	-3
5-73						14		13,271	3.65	484						
48WAE5000			1	13	1-48	13	3.5	11,212	3.89	436	0	26	-336	+.04	-6	-15
5-73						16		12,309	3.72	458						
48WAE5901			2	14	1-48	19	1.6	13,197	3.78	499	18	28	+266	+.05	+17	+22
1-73						9		12,008	3.58	430						
48W8A1537			1	27	1-48	27	1.8	17,336	3.48	603	12	26	+16	+.02	+3	+3
5-73						36		17,595	3.40	599						
48W8A5111			2	5	1-48	10	1.0	13,932	3.78	526	10	24	-404	+.05	-7	-18
5-73						9		15,786	3.57	563						
48W8A5123			1	16	1-48	16	1.0	14,041	3.72	523	75	20	-283	.00	-10	-17
5-73						10		15,586	3.75	585						
48W8A5124			1	13	1-48	13	1.0	12,865	3.83	493	0	19	-42	+.01	0	-1
5-73						14		12,946	3.83	496						

REGISTRATION NUMBER	NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HO	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS HM/DAU	REC/DAU HEROMATE	MILK	%	FAT	1ST INC	% REPT	PREDICTED DIFFERENCES MILK	%	FAT	$$
48WH87905			1	17	1-48	17	3.1	12,137	3.46	420	**	26	-521	+.01	-18	-31
5-73						7		14,083	3.48	490						
48WHC6309			1	10	1-48	10	1.5	10,254	3.38	347	**	20	-168	+.01	-5	-9
5-73						21		10,741	3.39	364						
48WH08707			1	15	1-48	15	2.9	14,483	3.23	468	**	26	+337	-.10	-2	+9
5-73						7		13,063	3.63	474						
48WHE1277			1	26	1-48	26	4.0	14,769	3.78	558	0	31	+75	+.01	+4	+6
5-73						27		14,537	3.76	546						
48WHE8054			1	40	1-48	40	2.8	12,691	3.78	480	4	29	-219	-.01	-9	-14
5-73						30		13,354	3.86	516						
48WHF7200			1	11	1-48	11	1.0	14,683	3.68	540	27	18	-332	+.04	-6	-15
5-73						34		16,746	3.51	588						
48WHG2270			2	13	1-48	15	2.4	16,262	3.60	585	**	26	0	+.01	+2	+2
5-73						4		16,475	3.54	584						
48WHG2990			1	19	1-48	19	1.6	13,385	3.87	518	22	23	-98	+.07	+7	+3
5-73						18		13,745	3.54	487						
48WHG5142			1	10	1-48	10	1.5	12,238	3.68	450	44	20	-423	-.01	-17	-27
1-73						13		14,354	3.76	540						
48WHG6424			1	11	1-48	11	1.1	16,460	3.64	599	11	19	+36	+.02	+4	+4
1-73						28		16,474	3.56	586						
48WHI0146			1	10	1-48	10	1.2	14,698	3.59	528	13	19	+63	+.02	+5	+6
5-73						8		14,356	3.47	498						
48WHI0200			1	14	1-48	14	2.3	12,055	3.43	413	18	24	-14	-.03	-5	-5
5-73						4		11,865	3.62	430						
48WHI1080			2	8	1-48	12	1.2	13,366	3.84	513	82	24	+55	+.03	+6	+7
5-73						10		13,003	3.75	487						
48WHI9578			1	10	1-48	10	1.3	10,552	3.51	370	**	19	-54	+.02	+1	-1
5-73						26		10,448	3.35	350						
48WHJ1500			1	11	1-48	11	2.0	11,289	3.58	404	36	22	-172	-.01	-8	-12
9-72						90		11,816	3.72	439						
48WHJ4945			1	21	1-48	21	1.3	14,427	3.47	500	14	23	-53	-.02	-5	-6
5-73						11		14,697	3.57	525						
48WHK1521			1	28	1-48	28	1.1	11,995	3.79	455	8	23	-5	-.01	-2	-2
5-73						37		11,757	3.95	464						
48WHK2675			1	17	1-48	17	1.7	11,609	3.70	430	29	24	-289	-.01	-12	-19
5-73						87		12,672	3.80	481						
48WHK5868			1	13	1-48	13	1.0	10,354	3.60	373	0	19	-537	+.01	-18	-31
5-73						3		13,052	3.59	468						
48WHL3805			1	11	1-48	11	1.0	10,907	3.76	410	27	18	-64	-.01	-4	-5
1-73						43		10,917	3.93	429						
48XAE1659			1	25	1-48	25	1.5	15,311	3.68	564	16	24	+68	.00	+2	+4
1-73						1		15,104	3.71	561						
48XAE1666			1	28	1-48	28	2.0	12,316	3.88	478	11	27	-516	+.03	-14	-27
5-73						9		14,228	3.77	536						
48XAE1682			1	24	1-48	24	1.1	9,325	3.76	351	**	22	-459	+.02	-14	-25
5-73						21		11,098	3.69	410						
48XAE1690			1	15	1-48	15	1.7	9,292	3.69	343	17	23	-388	-.01	-15	-24
1-73						21		10,604	3.77	400						
48X8G1323			2	9	1-48	16	1.2	12,224	3.27	400	63	29	-442	-.02	-19	-29
5-73						7		13,709	3.38	463						
48X8H7230			1	40	1-48	40	1.8	17,525	3.32	582	35	26	-73	+.03	+1	-1
5-73						22		18,187	3.22	585						
51WAC6851			1	21	1-51	21	2.2	10,487	4.07	427	**	26	-450	+.06	-8	-20
5-73						2		12,001	3.81	457						
51WAN9658			1	11	1-51	11	2.0	16,083	3.49	561	0	23	+462	-.04	+11	+23
5-73						15		13,999	3.66	512						
52AF06556			1	10	1-54	10	1.8	13,556	3.78	512	0	21	-122	.00	-5	-8
5-73						1		14,115	3.83	541						
52AFS1532			1	16	1-52	16	3.4	11,964	3.66	438	7	27	-425	+.05	-8	-19
5-73						31		13,435	3.47	466						
52XAM7770			1	17	1-52	17	2.5	11,818	3.76	444	11	26	-32	.00	-1	-2
5-73						18		11,672	3.82	446						
52XAV3254			1	10	1-52	10	2.2	11,077	3.45	382	**	21	-198	-.01	-8	-13
9-72						16		11,751	3.52	414						
52XAV6297			1	13	1-52	13	1.2	13,643	3.34	456	23	20	-24	+.01	0	-1
9-72						78		13,700	3.32	455						
52XAW0138			1	14	1-52	14	1.4	14,905	3.39	506	7	21	-17	+.01	+1	0
5-73						6		15,058	3.32	500						
52XAY2304			1	44	1-52	44	1.4	10,532	3.54	373	14	25	-522	+.01	-17	-30
1-73						6		12,420	3.51	436						
52XAY2625			1	12	1-52	12	2.8	15,166	3.51	533	0	25	-317	-.01	-13	-20
5-73						40		16,683	3.58	598						
52XAZ3333			2	15	1-52	17	1.7	14,049	3.61	507	13	25	+81	+.02	+6	+7
5-73						31		13,654	3.52	480						
52X8C4922			1	19	1-52	19	2.7	13,511	3.47	469	25	26	-125	-.05	-11	-13
5-73						12		13,944	3.69	515						
52X8C8350			1	22	1-52	22	1.2	14,199	3.61	513	5	22	-170	+.01	-4	-8
5-73						19		15,028	3.58	538						
52X8G6319			1	16	1-52	16	1.8	15,440	3.53	545	0	23	+95	.00	+3	+5
5-73						41		15,103	3.54	535						
52X8H4998			1	10	1-52	10	1.4	14,075	3.79	533	**	20	-3	+.06	+8	+6
1-73						7		14,064	3.49	491						
52X8I6341			1	17	1-52	17	1.9	10,035	3.47	348	0	25	-290	-.05	-18	-24
5-73						2		10,872	3.80	413						

REGISTRATION NUMBER	NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS	REC/DAU	MILK	%	FAT	% IST INC	% REPT	PREDICTED DIFFERENCES MILK	%	FAT	$$
52XBJ6925			1	12	1-52	12	1.8	15,117	3.36	508	0	22	+210	-.05	+1	+7
5-73						19		14,118	3.56	502						
54WAE4171			1	12	1-54	12	1.3	11,420	3.57	408	60	20	-160	+.01	-4	-8
5-73						3		11,973	3.55	425						
54WAF3085			1	10	1-54	10	1.0	12,206	3.92	479	0	18	-305	+.04	-5	-13
9-72						14		13,883	3.71	515						
54WAF5540			1	17	1-54	17	1.0	13,886	3.82	530	24	20	-271	+.05	-3	-11
5-73						6		15,328	3.61	553						
55AOY6789			1	23	1-55	23	3.0	14,132	3.62	512	17	28	-295	+.01	-9	-16
5-73						14		15,282	3.61	552						
55AEL0068			1	12	1-55	12	1.2	15,376	3.65	561	8	19	-227	+.06	0	-7
5-73						28		16,790	3.41	573						
55WAB4393			1	15	1-55	15	2.8	11,301	3.87	437	**	25	-462	+.01	-15	-26
5-73						6		12,989	3.82	496						
55WAN4903			1	12	1-55	12	2.4	13,815	3.45	477	9	24	-12	.00	-1	-1
5-73						13		13,813	3.47	480						
55WAN8710			1	10	1-55	10	2.8	15,769	3.37	531	22	23	-63	-.02	-5	-6
5-73						7		16,231	3.45	560						
55WAP3238			1	14	1-55	14	3.1	13,221	3.63	480	0	26	-206	.00	-8	-13
5-73						19		13,975	3.68	514						
55WAP9020			1	14	1-55	14	3.2	12,466	3.67	458	0	26	-354	+.04	-7	-16
5-73						28		13,748	3.51	483						
55WAR2216			2	27	1-55	32	2.4	15,503	3.23	501	7	32	+91	-.04	-3	0
5-73						22		15,307	3.35	513						
55WAR2854			1	11	1-55	11	2.0	14,807	3.43	508	18	22	+107	-.03	0	+3
9-72						13		14,324	3.53	506						
55WAR4141			3	8	1-55	17	1.5	15,536	3.48	541	6	33	-17	-.04	-6	-5
5-73						16		15,726	3.60	566						
55WAS7674			1	10	1-55	10	1.4	13,991	3.55	497	20	20	-130	-.04	-11	-13
9-72						12		14,688	3.83	563						
55WAS7675			1	13	1-55	13	1.0	15,731	3.86	608	0	19	-28	+.03	+4	+2
5-73						29		16,047	3.71	595						
55WAT8801			1	13	1-55	13	1.4	14,147	3.62	512	0	21	-231	+.02	-5	-11
5-73						8		15,353	3.54	543						
55WAT8953			1	14	1-55	14	2.0	12,695	3.39	430	8	24	-157	.00	-6	-10
5-73						12		13,238	3.41	451						
55WAW2474			1	20	1-55	20	1.5	14,824	3.32	492	17	23	-169	+.02	-3	-8
5-73						20		15,687	3.24	508						
56WA05666			1	21	1-56	21	1.1	13,499	3.73	503	0	21	-234	+.03	-4	-10
9-72						7		14,630	3.61	528						
57WAA7528			1	18	1-57	18	2.3	11,475	3.79	435	**	26	-52	+.03	+3	+1
5-73						4		11,381	3.63	413						
57WAC9205			1	16	1-57	16	3.1	11,616	3.49	405	11	27	-389	+.01	-12	-22
5-73						4		12,932	3.46	447						
57WAI6174			1	12	1-57	12	2.4	14,386	3.57	514	0	24	-165	+.03	-2	-7
5-73						8		15,149	3.47	525						
57WAI9786			1	22	1-57	22	2.0	14,258	3.66	522	15	26	+60	-.01	+1	+3
5-73						32		13,984	3.71	519						
57WAK1998			1	19	1-57	19	1.5	13,832	3.37	466	17	23	+16	.00	0	0
5-73						26		13,693	3.39	464						
61YAB5032			1	35	1-61	35	2.7	16,206	3.47	563	6	29	-52	+.01	0	-2
5-73						15		16,610	3.44	572						
61YAB5085			1	29	1-61	29	1.5	16,894	3.36	568	17	24	-1	-.01	-2	-2
5-73						19		17,182	3.42	588						
63WAF8650			1	20	1-63	20	1.3	12,970	3.63	471	5	22	-65	+.01	-1	-3
1-73						30		13,144	3.62	476						
63WAI1342			1	10	1-63	10	2.0	14,168	3.70	524	0	22	+105	-.01	+3	+6
1-73						15		13,619	3.74	510						
64WAH6701			2	52	1-64	54	3.4	15,516	3.38	524	0	32	+282	-.04	+5	+13
5-73						36		14,658	3.47	508						
64WAI0250			1	21	1-64	21	2.6	15,566	3.50	545	5	27	+35	-.05	-6	-4
5-73						25		15,550	3.72	579						
64WAK0602			1	19	1-64	19	1.2	10,539	3.55	374	32	22	-458	.00	-16	-27
5-73						8		12,463	3.55	443						
73ACV6151			1	30	1-73	30	1.7	12,793	3.31	424	**	26	-319	.00	-11	-19
5-73						14		13,994	3.31	463						
73WAF5403			1	16	1-73	16	1.0	12,539	3.78	474	13	20	-179	+.02	-4	-9
1-73						2		13,338	3.74	499						
74WAD7108			1	14	1-74	14	3.5	11,934	3.35	400	0	25	+5	.00	0	0
5-73						29		11,640	3.33	388						
81WAB1925			2	10	1-81	12	1.5	14,653	3.70	542	18	23	-237	+.05	-1	-8
5-73						26		15,833	3.51	555						
81WAB6500			1	10	1-81	10	1.1	17,035	3.72	633	20	18	+182	-.02	+3	+8
1-73						13		16,215	3.87	628						
82WAG9624			1	18	1-82	18	1.8	13,210	3.65	482	6	24	-358	.00	-13	-22
5-73						19		14,722	3.67	540						
82WAH1825			1	26	1-82	26	2.4	13,468	3.45	464	**	27	-309	-.02	-14	-21
5-73						13		14,657	3.56	522						
84SOW5411			1	24	1-84	24	1.6	19,039	3.33	634	41	24	+385	-.07	+4	+15
5-73						7		17,794	3.52	627						
84SEN9788			1	22	1-84	22	1.6	13,749	3.45	475	**	24	-322	+.02	-9	-17
5-73						18		15,165	3.42	518						
84WAB0824			1	22	1-84	22	1.9	15,618	3.29	514	5	26	+209	-.05	0	+6
5-73						16		14,848	3.46	513						

REGISTRATION NUMBER	NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS HM/DAU	REC/DAU HEROMATE	MILK	%	FAT	% IST INC	% REPT	PREDICTED DIFFERENCES MILK	%	FAT	$$
84WAC4091			1	20	1-84	20	1.3	16,185	3.28	531	20	22	-204	-.03	-12	-16
1-73						17		17,403	3.42	596						
84WAC8196			1	12	1-84	12	1.5	14,920	3.32	496	25	21	+188	-.02	+4	+9
5-73						43		13,971	3.39	474						
84WAC9124			2	20	1-84	22	1.1	16,001	3.44	550	23	23	+248	+.01	+10	+16
5-73						19		14,992	3.38	507						
86WA09100			2	38	1-86	40	2.4	14,142	3.48	492	**	29	-27	+.01	0	-1
5-73						89		14,222	3.45	490						
87WA84407			1	17	1-87	17	3.3	14,155	3.37	477	7	27	-162	.00	-5	-10
5-73						33		14,801	3.40	503						
87WAE8647			3	6	1-87	18	2.1	13,032	3.22	419	5	40	-34	-.05	-9	-8
5-73						6		12,980	3.36	436						
87WAF7300			1	12	1-87	12	1.3	12,565	3.77	474	0	20	-200	+.02	-4	-9
9-72						11		13,489	3.70	499						
87WAF9325			1	20	1-87	20	1.1	11,807	3.79	448	5	21	-544	+.06	-12	-26
5-73						5		14,347	3.55	509						
87WAG0650			2	12	1-87	14	1.5	9,884	3.40	336	7	24	-682	+.06	-16	-34
5-73						8		12,598	3.15	397						
87WAX1671			1	12	1-87	12	2.2	14,546	3.14	457	17	23	-357	-.04	-19	-26
9-72						6		16,268	3.34	544						
87WAX2000			2	25	1-87	30	2.2	14,883	3.47	517	7	31	-43	+.01	0	-1
5-73						37		15,096	3.45	521						
87WAX6481			1	21	1-87	21	1.5	12,111	3.60	436	31	24	-329	+.02	-9	-17
5-73						1		13,419	3.52	472						
91WAV2307			1	19	1-91	19	1.1	17,044	3.39	578	0	21	+48	+.01	+3	+4
5-73						39		17,088	3.34	571						
91WAV2309			1	14	1-91	14	1.2	16,847	3.76	634	**	20	-34	+.11	+15	+11
5-73						43		17,308	3.27	566						
93ADR2475			1	11	1-93	11	1.2	22,074	3.23	714	0	19	+345	-.02	+10	+19
5-73						140		20,919	3.23	676						
93WAC0520			1	61	1-93	61	1.6	15,750	3.55	559	7	27	-205	.00	-8	-13
5-73						141		16,745	3.58	600						
93WAC0767			1	12	1-93	12	2.0	19,591	3.41	669	0	23	+517	-.06	+10	+24
5-73						39		17,670	3.60	636						
93WAC3280			1	24	1-93	24	3.6	13,305	3.47	462	**	28	-356	-.03	-17	-25
5-73						39		14,587	3.60	525						
93WAC8013			1	16	1-93	16	1.3	16,151	3.71	600	27	21	-403	+.04	-9	-20
5-73						38		18,465	3.57	659						
93WAC8653			1	11	1-93	11	1.2	17,327	3.95	684	9	19	+35	+.01	+2	+3
5-73						34		17,452	3.94	688						
93WAC8944			1	15	1-93	15	2.7	16,539	3.65	604	7	26	-135	+.02	-2	-6
5-73						33		17,367	3.60	626						
93WAD0578			1	37	1-93	37	1.2	17,559	3.80	668	19	24	-198	+.04	-1	-7
5-73						125		18,829	3.69	694						
93WAC0579			2	60	1-93	104	1.7	18,216	3.78	689	24	39	-226	+.06	0	-7
5-73						123		19,289	3.68	710						
93WA09501			1	70	1-93	70	1.5	19,325	3.28	634	**	27	+12	.00	0	0
5-73						141		19,824	3.28	650						
93WA09502			1	23	1-93	23	1.4	20,203	3.18	643	**	24	+213	-.03	+3	+9
5-73						136		19,845	3.25	645						
93WA09504			1	34	1-93	34	1.8	19,950	3.24	646	4	27	+190	-.03	+2	+7
5-73						157		19,781	3.29	651						
93WA09505			1	86	1-93	86	1.4	17,513	3.36	588	**	27	-479	+.04	-12	-24
5-73						136		19,856	3.27	650						
93WA09508			1	15	1-93	15	1.6	21,765	3.23	703	**	23	+583	-.03	+16	+31
5-73						152		19,729	3.27	645						
93WA09510			1	108	1-93	108	1.6	18,340	3.32	609	**	28	-16	.00	0	0
5-73						56		18,847	3.29	621						
93W886508			1	65	1-93	65	3.7	14,503	3.56	516	16	31	-208	.00	-7	-12
5-73						202		15,263	3.56	543						
93W886509			1	20	1-93	20	4.5	15,196	3.67	558	7	29	-46	+.03	+3	+1
5-73						207		15,467	3.56	551						
93W80C988			1	12	1-93	12	2.6	16,432	3.55	583	0	25	-61	-.01	-4	-5
5-73						79		16,939	3.62	614						
93W80C995			1	41	1-93	41	1.7	15,599	3.51	548	15	27	-289	-.03	-14	-20
5-73						78		16,947	3.62	614						
93WCY5630			5	27	1-93	105	1.7	19,044	4.01	764	5	57	+490	+.22	+51	+57
5-73						69		18,598	3.71	690						
93W0E7596			1	31	1-93	31	2.1	20,442	3.27	669	4	27	+346	-.01	+11	+20
5-73						132		19,702	3.25	641						
93W0F6832			1	12	1-93	12	2.4	19,155	3.47	664	**	24	+307	+.03	+15	+22
5-73						149		18,255	3.35	612						
93W0D2010			2	19	1-93	23	1.3	19,553	3.45	675	33	25	+214	-.03	+4	+10
5-73						204		19,185	3.52	675						
93W0D2011		93-18	4	19	1-93	32	1.3	19,792	3.38	669	5	33	+327	-.05	+5	+14
5-73						170		19,293	3.47	670						
93X8A7372			1	32	1-93	32	3.9	13,880	3.54	491	**	30	-78	-.01	-4	-6
5-73						29		14,117	3.58	506						
93X8F2047			1	53	1-93	53	1.4	15,874	3.72	591	2	26	-165	+.02	-3	-7
5-73						56		16,760	3.68	616						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS HM/DAU	REC/DAU HERDMATE	MILK	%	FAT	1ST LACT INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
429684 DESIGN PAXIE FORWARD.....*	35-05	13	2	2-35,41	18	2.1	7,238	5.15	373	**	51	-406	+.03	-18	-27
08-07-41 343001 916795 1-73					9		7,915	5.13	406						
439203 U. W. JOAN SIR GINGER.....	35-75	17	1	8-32,55,	20	2.2	9,363	4.64	434	**	55	+499	-.17	+8	+22
C5-01-42 360310 1199465 1-73				57,58,92	15		8,376	4.97	416						
458071 BASILEUS JESTER X AIM.....*	43-02	11	1	3-43,71,	11	2.6	8,664	4.93	427	**	42	+197	-.02	+8	+13
11-25-43 425306 1320861 5-73				74	12		8,087	4.98	403						
475541 LILAC REMUS UNRIVALED BRUNO...	35-75	11	14	2-21,91	51	3.7	9,187	5.15	473	**	56	-25	+.01	0	-1
11-28-45 439293 1325401 5-73					21		9,237	5.14	475						
475547 SYBIL OWLS CAROLINA KING.....*	35-75	48	1	11-31,55,	57	2.5	8,449	4.81	406	**	78	+129	-.07	0	+4
12-28-45 396681 1124540 1-73				57,58,64	24		8,182	4.89	400						
479243 JUNE VOLUNTEER MISSIONARY.....*	35-75	9	1	4-33,35,	11	2.8	8,882	5.00	444	**	42	+178	-.05	+4	+9
03-29-46 384221 1391136 1-73				41,42	12		8,373	5.15	431						
484C19 ZINNIAS ADVANCER ROYALIST.....*	23-04	37	3	2-21,23	70	3.1	8,703	5.14	447	**	78	+41	-.03	-1	C
01-26-47 452656 1246647 1-73					11		8,590	5.23	449						
493165 FAVORITE ADVANCER.....*		10	2	7-42,43,	15	2.6	9,275	5.28	490	**	45	+17	.00	+1	+1
03-10-47 457631 1447061 1-73				82,91,92	14		9,241	5.30	490						
499136 JOLLY DUKE.....*	23-08	51	6	4-23,50,	136	3.2	8,817	5.30	467	**	85	-141	+.11	+3	-2
03-02-48 470128 1279158 5-73				51,57	15		8,960	5.18	464						
505285 LOJISOXFORD WESTERN PRINCE....*		3	12	1-91	16	2.9	8,803	5.21	459	**	29	+156	-.05	+3	+7
04-26-48 456740 1473578 1-73					5		8,154	5.51	449						
508399 SYBIL OWL EXPEDITER.....*	34-01	38	5	2-31,34	99	3.3	8,606	5.05	435	4	82	+357	-.07	+11	+20
11-16-48 396681 1256225 5-73					11		8,054	5.18	417						
508401 REMUS SYBIL EMINENT.....*	12-03	82	3	6-12,13,	154	3.5	9,224	5.23	482	5	89	-76	+.05	+1	-1
10-13-48 439293 1273512 5-73				15,21,22	17		9,322	5.18	483						
510889 GEMS STANDARD SIR.....*	48-01	6	2	4-48,74,	10	1.5	6,885	5.34	368	**	33	-175	+.04	-5	-9
10-31-48 439647 967149 1-73				84,87	15		7,229	5.23	378						
515866 WELCOME CAVALIER.....*	23-05	25	2	2-23,56	32	1.9	8,634	4.86	420	**	64	-9	-.11	-11	-9
C5-16-49 399447 1147452 5-73					11		8,588	5.09	437						
516388 SYBIL OWL FAVORITE.....*		10	8	1-21	51	4.2	9,596	4.97	477	**	65	+106	-.05	+1	+4
06-15-49 396681 1098500 5-73					19		9,459	5.05	478						
516718 BRAMPTON GIPSY PINNACLE BASIL.*	43-02	39	7	10-21,41,	90	2.3	8,100	5.02	407	8	76	-177	.00	-9	-13
02-21-49 010134635 010152660 5-73				43,48,56	18		8,237	5.05	416						
518770 LUCKY OESIGN ACE.....*		1	12	1-93	12	1.9	10,028	4.69	470	**	22	+107	-.06	0	+3
08-09-48 461093 1478070 5-73					53		9,586	4.98	477						
519828 TRISTRAM CHAMPION.....*		23	9	14-52,74,	49	3.5	10,127	5.02	508	4	63	+320	-.07	+9	+17
08-23-49 435991 1494464 5-73				86,91,92	36		9,662	5.14	497						
520539 TRISTRAM BASIL BARON.....	41-01	41	8	4-41,42,	141	2.7	7,859	5.32	418	9	82	-470	+.15	-10	-22
C5-01-49 435991 1324349 5-73				45,55	9		8,345	5.13	428						
520765 HOPES STANDARD DESIGN.....*		6	6	3-23,51,	16	2.9	8,304	5.39	448	**	39	-77	+.03	-1	-3
10-23-49 439055 1258364 1-73				57	20		8,428	5.39	454						
520847 BONCRIST ITASKA DREAMY BOY....*		17	36	12-16,22,	110	3.2	7,271	5.03	366	10	56	-384	+.04	-16	-25
C9-08-49 487846 1593049 5-73				57,58,64	34		7,828	4.98	390						
522014 FONTAINE FORTRESS DESIGN.....*	33-03	36	1	14-13,21,	36	2.4	7,441	5.31	395	**	70	-572	+.13	-17	-31
11-28-49 485608 1663090 1-73				23,34,35	9		8,159	5.11	417						
524581 FAVORITE ADVANCERS DANDY.....*	35-75	80	3	14-82,87,	138	3.3	9,166	5.14	471	**	89	+161	+.01	+9	+12
C2-07-49 493165 1636078 5-73				91,92,93	18		8,960	5.15	461						
524654 ZINNIAS ADVANCER VOLUNTEER....*	51-02	64	4	12-31,42,	132	2.5	7,775	5.21	405	23	86	-405	+.08	-13	-23
08-17-49 462656 1390835 5-73				51,52,54	16		8,143	5.12	417						
528498 LULUS SYBIL OWL.....*		5	17	1-14	30	3.1	9,932	5.19	515	**	38	+145	.00	+7	+10
C7-21-50 493464 1189344 1-73					20		9,588	5.23	501						
529973 COMMANDO DON AIM.....*	34-01	27	6	3-31,34,	60	2.7	8,414	5.25	442	8	71	+160	+.09	+16	+18
C7-17-50 475931 1528840 5-73				58	26		8,074	5.14	415						
530104 TRISTRAM BASIL BARONET.....*		35	90	14-33,35,	161	3.6	10,352	5.19	537	5	45	+105	+.01	+6	+8
C5-12-50 435991 1223303 5-73				41,42,43	24		10,222	5.18	530						
530280 SIGNAL COMMANDERS OBSERVER....*		7	63	2-52,74	76	3.6	8,112	5.24	425	4	35	-264	+.07	-7	-14
C5-20-50 41948 1638576 5-73					46		8,835	5.06	447						
530454 FARMER BROWN.....*		39	13	15-16,31,	97	2.4	7,236	5.36	388	7	69	-795	+.16	-26	-45
07-26-50 487849 1238404 5-73				33,41,91	18		8,296	5.11	424						
531775 DUKE GIPSY ABLE.....*		8	9	4-13,58,	28	2.9	8,416	4.86	409	0	47	+36	-.02	0	+1
05-19-50 450788 1355637 5-73				64,74	58		8,244	4.91	405						
531795 PINN BASIL S.M. MARK OF O.V...*		1	38	1-93	38	4.2	10,660	5.10	544	**	31	+144	-.04	+3	+7
12-16-49 477650 1551193 5-73					31		10,306	5.27	543						
532144 SUNSHINE JESTER STANDARD.....		1	25	1-74	25	3.0	8,908	5.65	503	**	28	-71	+.08	+4	+1
C8-13-50 431562 1302644 5-73					37		9,164	5.36	491						
535660 BILTMORE PLAYBOY.....*	52-01	8	17	2-52,55	47	3.4	9,075	4.96	450	28	49	-56	-.05	-7	-7
01-03-51 464209 1522091 5-73					17		9,190	5.09	468						
536097 GRAYLAWN RAMBLER COMET.....	93-01	15	4	1-93	30	2.3	10,420	5.14	536	**	58	+199	+.06	+16	+19
C7-02-50 415683 1359826 5-73					34		10,173	5.04	513						
538887 BRAMPTON 3 P VALLEY.....*		10	12	3-31,32,	42	4.0	9,278	5.02	466	4	54	+54	-.03	0	+2
C1-29-51 010134635 010189611 5-73				42	13		9,174	5.09	467						
539013 HIGH COMMANDO.....*		15	17	3-13,14,	79	3.0	10,108	5.06	511	14	62	+34	-.02	0	+1
08-06-51 520051 1731989 5-73				21	21		10,148	5.11	519						
539649 APNA VILLA ADVOLSTAND.....*	72-01	13	39	3-61,63,	103	3.0	8,887	5.00	444	5	53	+81	+.02	+6	+7
07-10-51 524581 1602564 5-73				72	39		8,681	4.94	429						
539824 CANDY BANDIT.....*		17	6	9-11,14,	32	3.5	10,208	5.21	532	**	57	+54	.00	+3	+4
10-09-51 413575 1609141 5-73				21,23,63	38		10,215	5.23	534						
540265 TRISTRAM STANDARD LORD.....*	16-04	84	3	8-13,14,	162	3.1	9,156	5.22	478	15	89	+44	+.05	+7	+7
08-25-51 435991 1606219 5-73				16,21,56	12		9,096	5.19	472						
540990 FORTUNE TELLER.....*		6	4	5-12,13,	11	3.6	9,580	5.69	545	**	37	-69	+.20	+15	+10
11-25-51 500929 1634780 1-73				14,16,21	37		9,833	5.19	510						
542027 SYBILS TOP NOTCH.....*	35-75	126	3	28-42,57,	196	2.7	8,542	4.95	423	13	91	-117	-.03	-9	-11
09-22-51 475668 1645446 5-73				58,64,92	23		8,612	5.00	431						
543763 JESTER BRAMPTON DANDY BASIL...*		1	45	1-56	45	4.7	6,989	4.98	348	**	31	-55	+.01	-2	-3
03-19-52 448354 1711279 5-73					11		6,942	5.00	347						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HO	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS HM/DAU	REC/DAU HEROMATE	MILK	%	FAT	% 1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
546354 WASHINGTON SENATOR.....*		21	13	9-11,13,	56	3.5	9,615	5.28	508	3	59	-194	+.07	-3	-8
06-24-52 413575 1726367 5-73				14,21,63	49		10,030	5.19	521						
547748 BELMONT JESTER LOUIS.....*		5	44	2-58,64	52	4.9	7,923	4.80	380	**	35	-56	.00	-3	-4
04-18-52 526995 1498363 5-73					16		7,962	4.82	384						
548908 MASTERMAN DREAMER JOY SON.....		3	13	1-93	20	1.8	10,106	5.46	552	13	30	-348	+.18	-1	-11
10-25-51 514249 1385614 5-73					28		11,483	4.96	569						
550196 W R LORD DESIGN.....*	33-03	77	1	27-13,14,	87	3.0	8,245	4.98	411	8	85	-164	-.08	-15	-17
07-05-52 486937 1817994 5-73				21,32,34	15		8,354	5.10	426						
551022 BASIL FERNHILL OBSERVER.....*		26	7	12-31,34,	69	3.1	8,275	5.26	435	16	71	-54	+.14	+10	+7
09-25-52 535756 1185608 5-73				55,57,92	20		8,258	5.05	417						
551047 JESTER SULTAN BLONDE BASIL....*		6	11	1-31	21	2.4	8,310	5.05	420	0	36	+78	+.01	+5	+6
12-03-52 448354 1736665 5-73					10		7,968	5.03	401						
552299 SENTINEL ADVANCER TITAN.....*		12	15	5-12,13,	45	3.0	8,104	5.23	424	8	51	-312	+.08	-8	-16
01-18-53 514384 1285259 5-73				14,16,21	31		8,662	5.07	439						
553235 SECRET SIGNAL OBSERVER.....*	35-75	43	8	21-14,21,	115	3.7	10,514	5.24	551	6	81	+517	+.09	+34	+44
05-20-53 497574 1556679 5-73				34,52,88	47		9,948	5.17	514						
553507 CURTISS CANDY BASIL CANDY.....*	33-03	50	1	15-14,21,	57	2.8	8,292	4.85	402	**	79	+49	-.17	-13	-9
04-04-53 534366 1812697 5-73				23,31,32	12		8,122	5.11	415						
553622 ODN TRISTRAM OF RIVERS BEND...*		7	24	2-91,92	48	2.5	9,019	5.21	470	7	43	-164	+.01	-7	-11
04-19-53 435991 1449167 5-73					26		9,426	5.23	493						
553684 THE PROGRESSOR.....		4	24	4-57,86,	33	3.2	9,034	4.73	427	**	35	+253	-.11	+2	+9
04-22-53 540908 1508329 5-73				92,93	39		8,215	5.09	418						
553843 SYBIL JUGGLERS HERO.....*		21	2	5-12,13,	30	3.2	8,611	5.04	434	**	65	-308	-.04	-19	-25
12-12-52 453615 1663051 5-73				14,16,21	18		9,077	5.13	466						
554165 ROYAL MAID MISTRESS BASILEUS..*		7	4	4-23,31,	16	1.6	8,053	5.02	405	**	39	+50	-.03	0	+2
03-02-53 441200 1601012 5-73				55,63	23		7,795	5.14	401						
554608 BEACON PINN BASIL.....*		10	22	2-31,33	59	2.8	9,422	5.09	480	14	50	+123	+.01	+7	+9
09-19-52 513614 1613894 5-73					18		9,174	5.10	468						
554842 MARLU COMMANDO BLONDE STAR....*	23-04	34	3	3-21,23,	68	3.5	8,366	5.28	442	**	79	-236	+.10	-3	-10
04-16-53 457631 1539106 5-73				93	16		8,609	5.18	446						
555157 TRISTANDARD LORD BASIL.....*	93-10	13	7	3-63,92,	38	1.8	10,494	5.32	558	**	54	+252	+.14	+26	+29
10-28-53 435991 1606219 5-73				93	9		10,118	5.10	516						
555208 BRIGHAM ADVANCER JESTER.....*		16	5	10-11,13,	39	2.9	9,699	5.34	518	4	62	+328	+.11	+27	+32
08-31-53 544480 1502800 5-73				14,21,34	23		9,159	5.20	477						
555597 BELMONT ROYAL AIM.....	41-01	36	7	5-32,41,	104	2.5	7,799	4.97	388	18	78	-398	-.06	-25	-33
10-25-52 526995 1891348 5-73				42,43,45	9		8,213	5.08	417						
556242 BRIGHAM ADVANCER JAN.....*	35-05	34	10	6-33,34,	98	2.7	9,100	5.02	457	13	75	-88	+.03	-2	-4
12-01-53 544480 1710000 5-73				35,41,57	12		9,222	5.01	462						
556243 BRIGHAM ADVANCER JUSTIN.....	35-75	72	6	19-21,32,	174	2.6	8,732	5.13	448	18	88	-287	+.12	-4	-12
12-10-53 544480 1740010 5-73				55,57,58	30		9,046	5.01	453						
556479 BROWNYS BRAMPTON BASIL WARO...*		10	15	6-21,31,	53	3.0	8,374	5.18	434	10	55	-289	+.07	-8	-15
11-19-53 521994 1690964 5-73				32,63,93	22		8,869	5.07	450						
557542 STANDARD BEACON STORM.....*		8	28	4-21,65,	80	2.9	8,995	4.99	449	6	53	-288	+.04	-11	-18
01-28-54 523411 1834926 5-73				74,85	29		9,581	4.95	474						
557569 SURVILLE CERES PRIDE.....*	91-13	43	27	14-14,42,	205	3.2	11,284	4.86	548	9	75	+864	-.15	+28	+49
11-06-53 503523 1760788 5-73				82,92,93	27		10,234	5.05	517						
557572 SPARKLE MILK MAN.....*		1	38	1-31	38	2.9	7,664	5.31	407	17	28	-126	+.05	-2	-5
02-08-54 473256 1410950 5-73					17		7,990	5.19	415						
558004 BRIGHAM CAOMAN KAYNE.....		1	67	1-13	67	4.0	10,381	4.56	473	0	32	+220	-.12	0	+7
02-07-54 475548 1786149 5-73					16		9,743	4.91	478						
558172 CORONATOR DUTCH CAP.....	92-01	161	7	8-41,82,	479	2.7	9,664	4.95	488	9	95	+457	-.07	+16	+27
10-01-52 435636 1104843 9-72				87,91,92	15		9,401	5.03	473						
558413 BRAMPTON BELMONT CAROM.....*	35-04	20	16	6-35,41,	74	2.4	7,813	4.83	377	22	61	-330	-.12	-27	-32
04-29-53 010121754 010212476 5-73				42,74,91	15		8,264	5.08	420						
558463 DUTCH SHADILANE REPEAT.....*	93-05	15	7	4-82,91,	45	2.4	9,636	5.02	484	**	62	-24	-.04	-5	-5
02-01-53 536643 1696890 5-73				92,93	11		9,729	5.11	497						
558564 SPARKLING ROYAL SYBIL JEST....*		4	30	1-21	36	3.6	8,092	5.54	448	13	32	-178	+.06	-3	-8
12-04-53 535504 1534896 5-73					21		8,592	5.37	461						
559352 IMP. VINCHELEZ INTERESTED HOPE*		5	16	3-86,88,	44	3.0	9,728	4.81	468	**	49	+123	-.13	-6	-1
09-16-52 010038302 010057255 5-73				93	23		9,508	5.10	485						
559353 IMP. RICHMOND DOUBLE DREAMER..*		3	6	1-65	13	3.5	8,489	4.90	416	**	35	-51	+.04	+1	-1
06-16-53 554995 010053302 1-73					25		8,574	4.76	408						
559422 BRAMPTON SULTAN BASILEUS.....*		4	8	2-32,61	20	3.4	7,559	5.72	432	18	41	-146	+.10	+2	-3
08-14-53 534366 1626036 5-73					17		7,779	5.45	424						
559570 BLUE SPRINGS STANDARD MONARCH.*		5	16	4-34,58,	35	3.0	8,470	5.03	426	25	43	-389	-.09	-27	-34
08-24-53 539052 1746036 5-73				63,64	40		9,398	5.28	496						
559606 PINN ADV. BLONDE WONDER.....*	41-25	25	6	4-32,41,	55	3.3	8,394	5.22	438	7	69	+74	+.04	+7	+8
07-27-53 534381 1849618 5-73				42,43	8		8,185	5.18	424						
559739 IMPORTED DESIGNER.....		22	4	11-16,21,	43	2.5	7,837	5.09	399	**	66	-415	-.04	-24	-32
05-02-54 010038418 010055721 5-73				23,31,32	14		8,387	5.19	435						
559861 LILAC ADVANCER PILOT.....*		3	32	1-92	65	3.1	9,360	5.15	482	**	45	-194	-.03	-12	-16
12-01-53 496743 1730415 5-73					27		9,862	5.25	518						
560268 COMMANDERS CAPER.....	91-13	14	5	2-92,93	40	1.9	10,190	5.04	514	**	61	+170	-.06	+3	+8
03-02-54 458937 1802181 5-73					20		9,990	5.16	515						
560398 SIBLEYS DESIGN 5000.....*		14	13	6-13,14,	42	2.5	9,233	4.88	451	10	50	+191	-.02	+8	+12
02-20-54 528281 1427169 5-73				21,63,74	61		8,813	4.90	432						
560558 FAVORITE ADVANCER SIGNAL.....	93-16	21	14	6-35,72,	83	2.7	11,135	4.76	530	14	66	+523	-.11	+15	+28
03-15-54 493165 1868502 5-73				87,92,93	39		10,470	4.90	513						
560800 CORALADS DREAM BOY.....*	35-75	399	12	37-57,58,	1,341	2.5	9,683	4.95	479	11	97	+534	-.07	+20	+33
04-30-53 540908 1811928 1-73				64,82,93	30		9,126	5.02	458						
561233 MARLU COMMANDO BRAVE.....*	56-01	10	32	3-55,56,	58	4.4	9,059	5.20	471	5	44	+65	+.02	+5	+6
03-17-54 526147 1726397 5-73				57	42		8,879	5.19	461						
561385 BRAMPTON ROCHETTES JESTER.....*		4	9	1-31	25	3.4	8,489	4.95	420	23	44	+1	-.05	-5	-4
03-11-54 534455 1982826 5-73					20		8,407	5.14	432						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS HM/DAU	REC/DAU HEROMATE	MILK MILK	% %	FAT FAT	1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
561469 TRISTRAM BASIL JESTERMAN.....*		15	10	3-88,91,	53	2.9	10,264	5.31	545	**	61	+6	+.04	+4	+3
12-14-52 435991 1722352 5-73				92	16		10,372	5.27	547						
561488 BRIGHAM ADVANCER KEGAN.....*	33-03	122	2	33-13,14,	188	2.4	7,947	5.32	423	15	91	-541	+.20	-19	-25
11-03-54 544480 1506153 5-73				21,23,32	19		8,468	5.10	432						
562640 MARLU COMMANDO ADVANCER LAD...*		9	14	4-23,50,	52	3.3	8,162	5.35	437	8	56	-90	+.02	-3	-5
11-20-54 457631 1539106 5-73				51,56	18		8,227	5.37	442						
562967 JEANS ROYAL ECHO CHAR-LYNN....	91-13	51	11	5-57,87,	160	2.2	10,384	5.26	546	16	81	+87	+.16	+19	+18
09-24-54 498154 2018617 5-73				91,92,93	33		10,396	5.09	529						
563279 HARMONY WINSOME LIBERATOR.....*		12	16	4-31,42,	35	3.4	8,183	5.35	438	**	45	-28	+.09	+7	+5
04-25-54 544382 1831893 5-73				57,91	12		8,143	5.15	419						
563319 WINSOME LOUISOXFORD LIBERATOR.*		8	26	5-31,32,	40	1.9	7,738	5.09	394	4	34	+120	+.04	+10	+12
10-28-54 544382 1689175 5-73				55,58,61	9		7,186	4.95	356						
563955 TENN APRIL A E 8 LAD.....*	63-01	33	22	1-63	183	3.1	10,084	5.07	511	13	76	+101	+.16	+20	+19
12-30-54 437098 1647416 5-73					28		10,035	4.86	488						
564043 MARLU FAVORITE MILKMAN.....*	31-02	52	7	7-31,56,	142	2.7	8,447	5.01	423	21	84	-164	+.09	0	-5
09-18-54 550331 1535135 5-73				57,58,64	20		8,583	4.89	420						
564200 SPARKLING JEST BLONDE LAD.....*		3	22	1-64	35	4.3	6,951	5.24	364	0	39	-94	.00	-5	-7
01-09-55 541513 1709992 5-73					29		6,971	5.32	371						
564265 TEFFIAS PRINCE.....*	33-03	111	3	32-13,21,	185	2.5	7,819	5.17	404	22	90	-795	+.15	-27	-46
01-01-55 553475 1585455 5-73				31,32,63	24		8,648	5.01	433						
564357 JESTER DRACONIS EMBLEM.....*		25	19	11-14,55,	101	2.3	8,457	5.25	444	18	64	-543	+.07	-21	-34
02-05-55 448354 1458027 5-73				56,57,64	88		9,324	5.16	481						
564380 SPLENDOR SHINING BAS.....		2	29	1-91	31	4.4	8,634	5.14	444	**	31	-36	+.01	-1	-2
04-06-54 544014 1801844 5-73					9		8,705	5.16	449						
564654 TRISTRAM BASIL BRAVO.....*	72-01	39	10	8-31,41,	144	2.7	8,478	4.62	392	11	81	+194	-.15	-4	+3
06-19-54 435991 1223303 5-73				43,57,72	30		8,130	4.81	391						
564812 SUPERB OUSTAN.....*		4	44	2-33,74	62	3.1	9,003	4.80	432	15	37	+138	.00	+7	+10
01-11-55 541555 1840039 5-73					21		8,567	4.75	407						
564986 HI-8 REMUS COWSLIP CZAR.....*		2	22	1-42	37	4.1	9,427	4.49	423	13	41	+32	-.08	-6	-4
02-10-55 528223 1881364 5-73					5		9,355	4.68	438						
565258 JESTER ETTA JESTER AIM.....*	63-01	3	16	2-31,58	33	3.9	8,451	4.99	422	11	44	-234	+.07	-5	-11
02-13-55 549549 1766360 5-73					61		8,964	4.83	433						
565313 MILKMAN BASIL.....*	63-02	21	6	2-61,63	46	2.7	8,617	5.11	440	17	64	-205	+.10	-1	-7
05-21-55 550331 1669239 5-73					13		8,939	4.95	441						
566245 L L VIOLET BEACON.....*		10	11	5-21,22,	32	3.3	9,368	5.15	482	16	48	+185	.00	+9	+13
05-19-54 513614 1538293 5-73				23,55,63	20		8,955	5.17	463						
566264 SPARKLE SUPERB.....*	35-02	51	6	13-13,14,	151	2.8	9,658	5.06	489	13	85	+173	-.03	+6	+10
03-24-55 536147 1604255 5-73				31,34,35	16		9,483	5.11	485						
567009 CHAMPIONS LEADER.....*	35-21	17	6	6-35,41,	57	3.3	8,743	5.14	449	24	70	-235	+.02	-10	-15
04-04-55 519828 1912149 5-73				43,48,74	18		9,058	5.13	465						
567401 BRAMPTON NOBLE JESTER.....*	72-01	21	12	3-65,72,	86	2.2	8,543	4.90	419	6	68	-42	.00	-2	-3
06-13-55 448354 1682987 5-73				92	27		8,540	4.92	420						
567839 MARLU MILADYSMAN.....*		4	7	3-13,41,	13	2.7	10,495	5.14	539	**	32	+246	+.04	+16	+21
02-16-55 536147 1748310 5-73				91	17		9,787	5.02	491						
567840 MARLU COMMANDO BELLRINGER.....*		9	2	3-23,51,	13	3.2	7,517	5.41	407	**	44	-162	+.10	+1	-4
02-22-55 457631 1968096 5-73				54	15		7,743	5.14	398						
568013 RADIANT LIFE.....*		4	11	1-74	25	2.0	8,607	5.23	450	13	39	+176	+.07	+15	+18
10-20-55 527757 1558587 5-73					19		8,033	5.05	406						
568016 GOLD RING CLIMAX.....*		6	20	4-57,58,	54	4.4	8,686	5.13	446	8	52	+112	+.03	+8	+10
09-27-55 523988 1731989 5-73				64,65	53		8,388	5.09	427						
568040 BASIL ROYAL PLUME HERCULES....*	51-02	41	9	10-31,43,	108	2.9	7,475	5.16	386	21	77	-772	+.09	-31	-49
07-18-55 543376 1627333 5-73				51,52,54	15		8,404	5.06	425						
568339 DANDY COMMANDO.....*		6	8	4-35,43,	18	2.4	9,073	4.97	451	0	36	-193	-.03	-12	-16
02-06-56 524982 1531368 5-73				65,71	14		9,664	5.07	490						
568542 COMMANDO ETTA STAR.....*		4	12	1-33	19	2.0	7,248	5.12	371	40	31	-175	+.04	-5	-9
02-11-56 556092 1896477 5-73					25		7,670	4.99	383						
568841 CHALLENGER LADS VICTOR.....*		4	5	2-82,91	14	1.9	8,278	6.10	505	**	35	-155	+.09	0	-5
04-16-54 548576 1553430 5-73					16		8,678	5.88	510						
568861 OREGON BLONDE JASON.....	92-01	63	4	4-85,87,	146	2.2	9,180	4.89	449	18	87	-27	-.13	-13	-11
01-03-56 489637 1986501 5-73				91,92	18		9,214	5.06	466						
569157 MARLU JESTER SUPREME.....	87-01	70	6	9-81,82,	182	2.3	8,473	4.90	415	19	87	-275	-.10	-23	-27
05-11-55 536147 1983661 5-73				87,91,93	10		8,746	5.04	441						
569264 BRIGHAM HALSEY LATHROP.....*		4	26	1-63	58	3.5	7,671	5.01	384	5	46	-107	.00	-5	-7
12-27-55 538479 1909488 5-73					17		7,760	5.04	391						
569336 MARLU FASHIONMAN.....*	63-02	78	14	19-57,61,	333	2.2	8,810	4.98	439	12	88	-41	+.04	+2	0
09-20-55 536147 1726392 1-73				63,64,74	27		8,819	4.92	434						
569344 CORALAOS SOVEREIGN.....*	93-05	44	9	10-12,13,	137	2.6	9,974	4.87	486	12	81	+102	-.14	-8	-3
11-27-54 540908 1579915 5-73				42,88,92	16		9,920	5.06	502						
569635 BRAMPTON BIJOUX ACME.....*	31-02	56	3	10-31,32,	96	3.0	8,326	4.92	410	11	84	-69	-.08	-11	-11
06-15-55 010121022 010181946 5-73				41,58,64	18		8,321	5.05	420						
570362 HATFIELD JESTER BLONDE FOX...*		3	46	1-34	50	2.5	8,506	5.28	449	9	30	-20	+.07	+5	+3
03-05-56 551531 1999071 5-73					8		8,504	5.06	430						
570513 DANDY SADIE LORD CLAIR.....*		11	12	6-31,43,	40	2.5	9,136	4.83	441	**	51	-129	-.07	-13	-15
11-03-55 486937 1952638 5-73				71,72,73	20		9,413	4.98	469						
570531 COMMANDO ADVANCER DESIGNER....*		8	2	2-31,64	10	4.3	7,892	5.12	404	17	41	-228	+.05	-7	-13
02-06-56 517081 2000896 5-73					22		8,364	5.01	419						
570537 BEACON OXFORD PINN.....*		8	10	2-82,86	29	3.0	8,072	5.48	442	**	46	-123	+.08	+1	-3
05-07-55 553475 1585447 5-73					21		8,245	5.30	437						
570543 BELMONT ROYAL AIM BASIL.....*		5	4	5-31,35,	10	4.9	10,512	4.90	515	**	35	+562	-.03	+25	+38
12-22-55 526995 1870029 5-73				41,58,72	24		8,890	4.99	444						
571106 DANDY LORD RINGMASTER.....*		12	2	5-11,12,	18	3.4	9,404	5.13	482	0	53	+53	+.01	+4	+5
10-05-55 511680 1872286 5-73				13,14,21	18		9,315	5.12	477						
571163 JESTER VERONAS JESTAIM.....*		5	6	5-31,32,	12	2.3	7,342	5.05	371	11	31	-508	-.01	-26	-37
08-21-55 544693 1899917 5-73				33,34,55	21		8,984	5.11	459						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS HM/OAU	REC/OAU HERDMATE	MILK	%	FAT	% FAT	1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
571744 LILACS REAL VENTURE.....*		1	10	1-93	10	4.8	10,612	5.03	534	D	24	+157	-.08	0	+5
06-07-56 559673 1935444 5-73					19		10,035	5.41	543						
571765 BRIGHAM SPARKLING MARK.....		2	31	1-74	58	2.7	10,066	4.69	472	18	42	+128	-.03	+4	+7
08-19-56 526610 1502800 5-73					4		9,824	4.72	464						
572134 VOLUNTEER SABLES SATELLITE....*		14	16	4-33,42,	85	2.6	10,261	5.14	527	23	64	+157	+.02	+10	+13
02-06-56 497355 1932103 5-73				46,65	25		10,106	5.13	518						
572206 CHAMPIONS SENATOR.....	91-13	22	8	3-91,92,	81	2.0	11,495	5.11	587	4	71	+518	-.03	+23	+35
09-15-56 519828 1636074 5-73				93	35		10,940	5.16	565						
572324 ADVANCER MAJESTY PRINCE.....*		3	25	2-13,74	29	1.9	5,375	4.80	258	27	28	-451	+.02	-21	-31
09-30-56 554190 1865216 5-73					68		6,723	4.80	323						
572331 BISHOP PUMPEY.....	33-03	33	13	16-11,14,	84	3.1	11,484	4.84	556	7	69	+1,074	-.22	+31	+58
07-02-56 524199 1980845 5-73				21,41,57	51		9,998	5.16	516						
572488 COMMANDER JOEL.....*		3	9	1-91	20	4.3	9,328	5.60	522	7	40	+52	+.07	+9	+9
06-19-56 468937 1663105 5-73					18		9,198	5.49	505						
572745 WELCOME PILOT MAX.....*		2	21	2-34,63	23	3.0	9,035	5.36	484	7	28	-118	-.02	-8	-10
02-16-56 502328 1995974 5-73					61		9,484	5.49	521						
573320 SMIDT FARM RECORD BEACON.....*		2	12	2-73,87	14	2.3	6,842	5.25	359	D	26	-273	+.03	-11	-17
09-08-56 557955 1804315 5-73					10		7,747	5.16	400						
573344 SPARKLING VELLUM CHANYS.....*		2	24	1-41	43	3.6	8,308	5.31	441	3	42	-95	+.06	+1	-2
04-05-54 541928 1393794 5-73					12		8,464	5.16	437						
573399 BISHOP CLARION.....*		4	5	3-13,14,	10	3.7	10,478	4.97	521	0	31	-12	-.08	-8	-7
10-16-56 524199 1875664 5-73				16	63		10,668	5.25	560						
573431 SYBIL ROYAL PREDICTOR.....*	35-05	126	20	15-35,41,	711	2.0	10,046	5.00	502	16	92	+498	+.01	+26	+36
03-24-56 457752 1907878 1-73				43,63,93	34		9,539	4.99	476						
573531 PIONEER FERNS MARVEL.....*		1	20	1-12	20	3.4	8,191	4.91	402	**	28	-240	+.02	-10	-15
10-14-56 549315 2134185 5-73					22		9,025	4.88	440						
573846 BRIGHAM VOL. KING TUT OF DOSTO*	23-11	17	41	6-14,21,	154	2.8	10,777	4.70	507	13	60	+92	-.11	-6	-2
08-19-56 538481 1796768 5-73				22,23,55	52		10,781	4.87	525						
574075 TEFFIA STYLISH SENATOR.....*		7	18	3-41,46,	28	2.9	8,655	5.27	456	14	36	-317	+.08	-9	-17
09-22-56 555603 1541923 5-73				48	14		9,588	5.08	487						
574138 CARTAGENA BASIL FAVORITE.....*		8	67	1-92	109	2.7	10,337	5.25	543	6	41	+126	+.06	+12	+14
11-19-54 510554 1603392 5-73					43		10,119	5.13	519						
574191 L.C. STANDARD MASTER.....*	35-75	280	57	35-55,57,	1,194	2.1	8,652	4.82	417	17	89	-102	-.09	-13	-14
09-25-56 486937 1505315 9-72				58,64,74	39		8,719	4.93	430						
574217 STARDUST WINSOME JESTER.....		3	33	1-93	58	4.2	8,692	5.57	484	2	44	-115	+.10	+3	-1
07-14-56 557787 1432557 5-73					35		8,931	5.36	479						
574241 OBSERVER MAY COUNT.....*		2	9	1-74	11	1.0	6,616	4.70	311	**	20	-112	+.01	-5	-7
09-27-56 419248 1940244 5-73					36		6,954	4.75	330						
574242 VICTORY STANDARD SIR.....*		2	14	1-74	16	1.0	6,993	4.58	320	**	21	-30	-.03	-4	-4
10-01-56 419248 2031327 5-73					33		6,909	4.76	329						
574261 BEACON BASIL PORTER.....*	35-75	148	6	29-21,55,	393	1.9	8,880	5.01	445	23	93	-187	+.03	-7	-11
04-21-56 437977 1861275 9-72				57,58,93	29		9,068	5.00	453						
574279 SHAOELS DESIGN KEEPER BEAUTY..*	35-21	38	5	8-41,42,	110	2.3	8,033	5.14	411	30	81	-355	+.06	-12	-21
03-18-57 558187 1499159 5-73				43,47,48	12		8,358	5.07	424						
574480 DOUBLE DESION STANDARD KING...*		1	28	1-74	28	2.2	10,654	4.54	484	**	27	+244	.00	+12	+17
10-25-56 528549 1900202 5-73					39		9,793	4.47	438						
574525 BASILEUS ADVANCER PINN.....*		14	22	6-21,35,	83	4.3	9,706	5.10	495	D	61	-145	+.06	-2	-6
07-14-56 534381 1664629 5-73				41,43,74	22		10,030	5.03	505						
574673 ETTA JIM STAR.....*		20	23	12-31,32,	59	3.5	8,702	5.10	444	15	50	-343	+.02	-15	-23
01-02-57 549549 1978736 5-73				34,48,74	12		9,412	5.07	477						
574676 GOLDEN COMMANDO.....*	31-02	184	21	29-31,32,	698	2.6	7,898	5.04	398	14	92	-673	+.11	-24	-40
02-12-57 556092 1578755 5-73				55,56,64	48		8,565	4.93	422						
574726 HOUPLAS DREAMING JESTER.....*		5	23	2-82,92	75	3.8	10,153	4.64	471	3	57	+106	-.12	-6	-2
01-28-57 525015 1896248 5-73					24		10,050	4.84	486						
574905 WASHINGTON SHORTSTOP.....*	31-02	5	6	2-87,88	18	2.7	8,299	4.72	392	**	43	-210	-.06	-16	-19
03-02-57 546354 1768647 5-73					28		8,750	4.91	430						
575186 CROWNING WINSOME DESIGNER.....*		27	5	14-21,33,	60	3.4	8,150	4.96	404	17	73	-342	-.11	-27	-33
03-12-56 550262 1810170 5-73				41,51,61	23		8,555	5.14	440						
575344 BIJOUS JESTER ROYAL.....*		4	19	3-54,58,	25	3.9	7,357	4.73	348	13	33	-84	-.04	-8	-9
12-20-56 524573 1737994 5-73				63	12		7,443	4.90	365						
575467 SPARKLE SUPERMAN.....*	22-03	14	37	5-22,52,	122	2.8	10,155	4.83	490	22	56	-213	-.04	-14	-18
04-26-57 536147 1604255 5-73				55,56,87	62		10,682	4.91	524						
575514 WORTHY STANDARD DESIGNER.....*		6	40	1-65	66	2.6	8,071	4.67	377	22	39	-18	-.02	-3	-3
03-03-57 553771 1383881 5-73					65		8,000	4.73	378						
575723 FIELDCRESTS PINNACLE BOB.....*		3	12	1-74	32	3.1	5,472	4.88	267	5	47	-395	+.02	-18	-27
12-02-56 525658 1853920 5-73					55		6,001	4.87	292						
575890 Y-BROOK SPARKLE IKE.....*		2	25	1-31	41	4.0	9,195	5.29	486	D	41	-117	+.05	-1	-4
10-08-56 550028 1916260 5-73					10		9,514	5.20	495						
575947 ADVANCER COMMANDO MILESTONE...*		2	9	1-55	17	4.8	9,355	4.95	463	8	37	-53	+.04	+1	-1
03-11-57 553805 1968096 5-73					10		9,535	4.83	461						
576007 LOCH-LEE FLORIST SLEEPER.....*		4	10	2-21,23	15	2.9	8,753	4.75	416	13	31	-35	-.09	-10	-9
10-05-55 518988 1845412 5-73					24		8,832	5.11	451						
576342 ETTAS MILESTONE.....*		22	31	9-21,31,	121	4.0	8,438	5.56	469	4	62	-71	+.21	+16	+11
12-10-55 553805 1631376 5-73				34,35,43	21		8,481	5.21	442						
576383 ESMOND VICTORIA FLYER.....		3	115	1-58	123	2.5	8,366	4.94	413	11	32	-142	+.03	-4	-8
09-15-55 532114 1471752 5-73					103		8,777	4.84	425						
576385 PIONEER FERN VIOLA.....		1	12	1-58	12	3.7	7,951	5.22	415	33	24	-148	+.06	-2	-6
12-18-55 496820 1541792 5-73					96		8,500	4.99	424						
576467 RADAR SILVER BEACON.....*		3	5	1-34	10	2.8	8,719	5.21	454	11	30	+110	+.01	+6	+8
09-25-56 554902 2079982 5-73					15		8,250	5.24	432						
576838 DREAMING JESTER BASIL KATES LA*		5	21	1-32	28	3.6	8,204	5.18	425	13	34	-87	.00	-4	-6
05-14-57 531342 1608253 5-73					39		8,379	5.23	438						
576911 GOLDEN ETTA VALIANT.....*		19	20	9-23,31,	54	2.9	8,816	5.32	469	D	50	-33	+.08	+6	+4
07-18-57 555141 1914397 5-73				33,34,55	17		8,849	5.15	456						

REGISTRATION NUMBER	NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HO	STATES ND- WITH MDST DAUS	... DAUGHTERS AND HERDMATES ... DAUS	REC/DAU HM/DAU	HEROMATE	MILK	% FAT	FAT	% 1ST INC	REPT %	PREDICTED DIFFERENCES MILK	% FAT	FAT $$
577101	8EACON 8AS PREDICTION.....*		5	13	5-51,52,	24	1.7		7,363	5.01	369	4	34	-248	.00	-12 -17
C8-10-57	559928 1768467 5-73				57,61,63	20			7,967	5.05	402					
577134	MARLU MILADYS CLIMAX.....*	72-01	75	27	15-52,58,	511	1.9		9,055	4.66	422	11	87	+168	-.15	-6 0
03-12-57	506147 1726368 9-72				65,72,74	41			8,824	4.84	427					
577248	CDMMANDD DEWDROP DESIGN.....*		1	20	1-51	20	4.0		7,797	5.34	416	13	28	-47	-.02	-4 -5
01-26-57	562640 1581654 5-73					8			7,837	5.49	430					
577386	8EAU GIPSY SYBIL TABARD.....*		11	8	6-12,13,	28	3.9		9,413	5.30	499	7	51	-79	+.03	-1 -3
11-19-56	460788 1519448 5-73				16,21,50	31			9,611	5.28	507					
577388	TRUE TRAIL BLAZER.....*	21-10	82	4	6-13,16,	169	3.0		9,083	5.20	472	14	90	+8	+.14	+13 +11
05-05-57	503554 1836567 5-73				21,23,56	22			9,060	5.06	458					
577474	SYBIL CARLETTAS FINALIST.....*	21-10	161	5	13-11,12,	435	2.0		10,235	5.05	517	13	94	+471	+.05	+28 +37
05-25-57	480642 1563732 9-72				13,21,63	23			9,795	5.01	491					
577710	EXPERIMENT 8ELLES LORD.....*	65-04	16	7	2-63,65	41	2.1		8,830	4.99	441	17	59	-111	+.01	-5 -7
04-11-57	486937 1840000 5-73					33			9,001	5.01	451					
577972	DXFORDS SYBIL DAUNTLESS.....*		6	3	6-12,14,	11	2.1		8,101	5.02	407	33	34	-263	+.03	-10 -16
07-19-57	546088 2146119 5-73				16,21,23	10			8,847	4.95	438					
578033	BEACON 8ULLSEYE TOREADOR.....*		11	7	7-21,23,	29	3.4		9,360	5.07	475	**	52	-73	-.01	-5 -6
08-20-56	554162 1963697 5-73				31,34,55	28			9,535	5.14	490					
578077	LEADERS DESIGN VDLUNTEER.....*		3	44	1-93	50	2.9		8,327	4.78	398	22	31	-99	-.02	-7 -9
08-28-57	506577 1554177 5-73					124			8,584	4.90	421					
578145	HIGHFIELD WONDRDUS STANDARD...*	35-75	20	46	9-56,58,	105	3.8		10,080	5.09	513	4	50	+265	-.01	+12 +18
08-23-57	489542 1766980 5-73				64,74,87	50			9,591	5.14	493					
578330	HEADSPRING SPARKLING MARY 8LON*	61-01	100	46	14-31,56,	378	2.7		9,311	5.09	474	16	77	-135	+.06	-1 -5
08-19-57	508078 1887778 5-73				61,65,74	61			9,520	5.03	479					
578382	OBSERVER SIGNAL REVIVAL.....*	61-02	120	8	18-31,48,	413	2.0		10,079	4.77	481	15	93	+762	-.22	+16 +36
12-22-56	419248 2075775 1-73				61,74,93	31			9,261	5.01	464					
579149	FAIRYS RECORD BEACON.....		2	7	1-87	13	2.1		7,561	5.05	382	**	30	-136	+.01	-6 -9
09-22-57	557955 1804315 5-73					2			7,883	5.05	398					
579169	8.F.F.8. CARRY ON.....*	16-04	13	5	5-13,14,	27	4.0		10,513	5.18	545	13	56	+264	+.07	+20 +24
11-23-57	521175 1989133 5-73				16,22,52	15			10,136	5.08	515					
579172	SECRET SPECTATOR.....*		3	51	1-52	57	3.8		9,243	5.10	471	11	33	-11	+.02	+1 0
09-05-57	497574 1919726 5-73					13			9,287	5.05	469					
579248	JESTPINN GOLDEN ROYALIST.....		1	72	1-35	72	3.9		7,356	5.53	407	6	32	-69	+.06	+2 0
02-16-57	549122 2080722 5-73					33			7,397	5.34	395					
579316	PROMDTERS WIZARD OF OZ.....*		1	65	1-42	65	3.4		9,444	5.12	484	18	31	+1	+.02	+2 +2
03-28-57	465708 1886702 5-73					14			9,469	5.06	479					
579379	ADVANCER ETTAS SON JESTER.....*		6	22	1-31	40	3.9		8,485	4.91	417	14	41	-55	-.05	-7 -7
11-13-57	519446 2002341 5-73					16			8,555	5.08	435					
579787	VIOLET SPARKLE SIGNAL.....*	93-01	16	21	4-84,91,	81	1.9		10,042	5.19	521	11	56	+10	+.09	+9 +8
03-11-57	506147 1898458 5-73				92,93	28			10,116	5.05	511					
579877	ZEPHYRS FUTURE FINDER.....		1	20	1-54	20	3.0		9,133	4.78	437	8	27	+1	-.07	-6 -5
01-23-58	550285 2135397 5-73					18			9,123	5.09	464					
580027	OIXIE OANDY 8ELL ROYAL.....*		2	15	1-72	23	3.5		8,777	4.55	399	8	35	+52	-.03	0 +2
03-20-56	545109 1844273 5-73					72			8,565	4.61	395					
580132	GOLDEN JERSEYS ROYAL.....*		16	7	6-31,35,	34	3.2		7,583	5.30	402	4	57	-532	+.09	-19 -32
11-05-57	565141 1800750 5-73				41,42,55	19			8,444	5.14	434					
580137	8LONOE WONDROUS SPARK PLUG....*		4	48	2-56,58	56	4.3		9,360	5.42	507	2	34	+73	+.05	+8 +9
11-02-56	508078 1916786 5-73					25			9,141	5.33	487					
580149	HIRANGE SECRET PEPPER.....*	61-02	19	12	5-55,56,	94	2.4		9,490	4.95	470	15	70	+112	-.07	-1 +3
01-18-58	497574 1735243 5-73				63,65,72	31			9,345	5.07	474					
580176	CHIEFS SON OF PAT.....*		5	7	1-31	13	2.9		6,980	4.99	348	**	33	-208	-.03	-13 -17
10-15-56	519446 2018100 5-73					11			7,445	5.14	383					
580237	BRAMPTON VICTORY.....*		27	47	11-12,14,	133	2.8		8,971	5.02	450	10	54	-80	-.04	-8 -9
04-16-57	010121022 010203469 5-73				55,56,74	82			9,112	5.13	467					
580308	STANDARD LA PINE 8ASIL.....*		7	39	1-92	77	2.2		8,831	5.02	443	10	43	-32	.00	-2 -3
03-27-55	534366 1715880 5-73					26			8,875	5.06	449					
580332	SPARKLE STANDARD DESIGN.....*		3	12	1-56	16	5.3		10,237	5.15	527	14	32	-26	.00	-1 -2
01-16-58	539084 1772035 5-73					70			10,447	5.20	543					
580594	BARBARAS ETTA JESTER.....*		43	38	17-33,35,	147	3.0		9,027	4.85	438	16	61	-2	-.05	-5 -4
01-04-58	556092 1956106 5-73				61,63,74	28			9,014	4.96	447					
580714	TRISTRAM NEVADA.....*	72-01	20	30	7-31,35,	163	2.9		11,120	5.05	562	12	58	+420	+.08	+29 +37
02-08-58	519828 1893788 5-73				41,72,88	25			10,649	4.94	526					
580771	ROSSMERE DESIGN INTENSIFIER...*		4	27	1-92	47	2.6		8,028	5.46	438	4	39	-111	+.05	-1 -4
08-19-56	585679 2091783 5-73					16			8,219	5.37	441					
580776	VALIANT SURVILLE MIKE.....*	91-11	25	9	10-22,35,	74	2.2		9,155	4.98	456	22	69	+139	-.02	+5 +8
07-29-57	537087 1759267 5-73				42,43,74	17			8,928	5.02	448					
580787	SIBLEY ADVANCER 8LONOE BART...*	72-01	17	5	2-65,72	51	2.6		7,976	4.58	365	**	68	+7	-.12	-11 -9
05-09-57	459101 1435827 5-73					31			7,828	4.79	375					
580829	DEER KNOLL CLASSIC LAD.....*		4	18	2-12,13	23	3.3		9,289	5.18	481	11	32	-128	+.04	-3 -6
01-15-58	514980 2252129 5-73					14			9,743	5.10	497					
580834	BRIGHAM SPARKLE SUPER8 OLIN...*		13	12	5-12,13,	54	2.7		10,716	4.76	510	16	58	+422	-.16	+6 +18
03-05-58	556264 2016397 5-73				14,55,57	27			10,071	5.01	505					
580853	SUNBEAM STANDARD PRINCE.....*		18	48	8-52,55,	90	3.1		8,904	4.89	435	10	44	+27	-.07	-5 -3
11-10-57	556092 1895621 5-73				56,57,58	92			8,804	5.09	448					
581003	BLUE SPRINGS FASHION PRINCE...*		2	18	1-63	22	2.0		6,268	5.04	316	0	28	-78	+.01	-3 -5
02-16-58	571911 2152937 5-73					9			6,250	5.04	315					
581018	MARLU JERSEY LEADER.....*		6	22	3-82,84,	54	2.3		7,874	5.03	396	**	46	-297	-.01	-16 -22
11-20-57	557370 2108871 5-73				87	39			8,454	5.09	430					
581118	SYBIL GOLDEN HI-TIDE.....*		2	11	1-35	14	2.0		8,919	5.22	466	**	27	-112	.00	-6 -8
12-05-54	493869 1647748 5-73					2			9,354	5.28	494					
581345	ADVANCER BEACON JESTER STANDAR*		2	10	2-87,88	12	2.9		7,708	5.15	397	0	26	-166	+.04	-5 -9
05-08-55	537584 2269491 5-73					13			8,265	5.03	416					
581394	PIXYS EAGLE.....*		15	38	8-12,31,	72	2.5		11,789	4.82	568	9	43	+494	-.16	+9 +22
03-29-58	571583 1430003 5-73				35,42,43	31			10,787	5.16	557					

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS	REC/DAU	MILK HM/DAU	% HERDMATE	MILK	%	FAT	% IST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
581485 IMP. ITASKAS FILLPAIL RULER...*	21-10	105	4	22-13,14,	184	2.7	8,298	5.10	423	17	90	-599	-.03	-32	-44
02-17-55 010038621 010057693 5-73				16,21,31	20		8,939	5.15	460						
581661 SIDJJYS HAPPY GINGER BEAU.....*		4	5	1-51	12	4.9	7,702	4.80	370	0	37	0	-.10	-9	-7
01-13-58 559354 1997079 5-73					13		7,536	5.19	391						
581840 CHAMPIONS TRISTRAM CHALLENGER.	93-10	26	46	6-23,52,	181	2.7	10,143	4.84	491	14	62	+18	-.04	-3	-2
05-05-58 519828 1657241 5-73				55,92,93	65		10,215	4.91	502						
582043 MILESTONE MASTERMAN PRINCE....*		1	46	1-74	46	1.8	6,343	4.76	302	19	27	-172	+.02	-7	-11
06-24-58 574434 2136070 5-73					65		6,744	4.73	319						
582129 DUKE SPARKLE SUPREME.....*		3	34	1-22	40	3.1	8,333	5.17	431	11	32	-343	+.05	-13	-21
02-13-58 536147 1696637 5-73					19		9,437	5.07	478						
582140 CHAMPIONS INFERNO.....*		10	66	4-31,41,	106	2.8	10,686	4.97	531	13	41	+292	-.08	+7	+15
07-26-58 519828 1619010 5-73				56,88	22		10,057	5.17	520						
582190 ETTA JESTER STAR.....*	33-03	85		29-13,21,	163	2.3	8,085	5.07	410	12	88	-518	+.07	-20	-32
03-22-58 555141 1766360 5-73				31,41,58	20		8,616	5.00	431						
582242 TRISTRAM BASIL EDWARD.....		1	16	1-35	16	3.8	8,866	4.80	426	0	27	+76	-.04	0	+2
05-03-58 472114 2069553 5-73					5		8,520	5.00	426						
582400 BETS DREAMER OF TREDELL.....	91-13	165	16	13-41,63,	614	2.2	11,088	4.91	544	12	92	+762	-.16	+22	+41
07-05-57 535058 1571904 1-73				91,92,93	28		10,380	5.08	527						
582498 CLOVERFIELDS STAR LUCKY.....*		4	4	3-81,91,	12	2.4	9,939	5.11	508	**	36	+173	-.03	+6	+10
10-22-55 456643 1721640 5-73				97	15		9,490	5.22	495						
582529 ADVANCER BASIL SPARKLE.....*		2	5	1-31	10	2.9	7,785	5.39	420	20	30	-156	+.09	0	-5
12-11-55 499207 1786327 5-73					18		8,211	5.05	415						
582710 SECRET HL GLADIATOR.....		2	11	1-21	13	5.1	10,151	5.22	530	0	29	+16	+.09	+9	+8
07-15-58 497574 1986845 5-73					11		10,195	4.94	504						
582787 TENN BISHOP C C I LAD.....		3	14	2-63,65	41	2.5	10,244	4.92	504	**	47	+114	+.04	+9	+11
06-18-58 524199 1905311 5-73					23		10,092	4.85	489						
582815 ROYAL FAJVIC VOLUNTEER.....*		4	12	1-33	19	3.3	8,730	5.45	474	33	33	-105	+.10	+4	0
02-17-58 450676 1848487 5-73					11		9,000	5.13	462						
582969 FILLPAIL MOROCCO DUKE.....*		3	15	3-56,61,	19	3.5	8,003	4.97	398	23	31	-25	-.04	-5	-5
02-06-58 559697 1817543 5-73				63	38		7,965	5.19	413						
583086 MARLU NOBLE MILKMAN.....*		1	43	1-43	43	4.3	9,868	5.15	508	5	30	+239	+.01	+13	+18
04-07-58 550331 2092113 5-73					35		9,065	5.14	466						
583144 CLEOS RUBY REMUS.....		4	6	2-92,93	21	2.6	11,175	5.34	597	9	45	+119	.00	+6	+9
02-25-58 514702 2117864 5-73					34		11,099	5.39	598						
583149 ETTAS COMBINATION.....*		7	4	4-31,34,	19	4.2	8,017	5.38	431	0	49	-240	+.06	-7	-13
02-24-58 573454 1631376 5-73				57,74	25		8,428	5.30	447						
583333 MARLU MILESTONE RANGER.....*	23-13	60	9	13-51,52,	231	2.0	9,585	4.79	459	16	87	+299	-.19	-3	+7
10-31-57 553805 2092099 5-73				54,72,93	25		9,246	5.02	464						
583371 BASIL X BELLESON.....		6	2	2-91,92	10	1.3	10,653	4.83	515	22	31	+168	-.06	+3	+8
08-29-55 450676 2031298 5-73					17		10,215	4.99	510						
583374 FILLPAIL HIGHFIELD BLONDE.....*	91-13	13	16	3-88,92,	51	2.9	10,100	5.19	524	8	52	-106	+.01	-4	-6
04-28-58 496151 1766978 5-73				93	24		10,426	5.20	542						
583397 MARLU MODEL MILESTONE.....*		7	42	3-82,87,	84	2.0	8,141	5.18	422	15	43	-56	+.06	+3	+1
06-16-58 553805 1858262 5-73				93	44		8,173	5.02	410						
583481 REALLY ROYAL.....*		10	22	5-12,14,	57	2.6	10,603	5.26	558	7	48	+23	+.15	+15	+13
11-24-56 572789 2134127 5-73				21,52,55	33		10,706	4.99	534						
583519 STARDUST BROWNYS CERES PRIDE..*		2	99	1-93	101	2.6	9,872	4.92	486	**	31	+102	-.04	+1	+4
07-06-58 557569 1898751 5-73					55		9,577	5.09	487						
583520 STAROUST CERES DESIGNER.....		2	61	1-93	72	4.1	9,313	5.47	509	**	36	+133	+.03	+9	+11
07-15-58 557509 1608902 5-73					28		8,908	5.48	488						
583521 ARCADIA SIEGFRIED TITAN GEORGI*		5	16	2-13,14	23	2.9	11,308	4.89	553	5	33	+469	-.12	+12	+24
01-01-58 553945 1711676 5-73					16		9,977	5.25	524						
583595 GOLDEN STAR COMMANDO.....*		4	11	2-31,58	40	2.3	8,175	5.17	423	12	51	-247	+.01	-11	-17
10-25-58 556092 2107000 5-73					29		8,603	5.17	445						
583694 STANDARD JESTER AIM ADVANCER..*		9	13	3-41,42,	34	2.1	7,180	5.65	406	18	44	-532	+.11	-17	-30
09-11-58 528332 1740678 5-73				63	11		8,317	5.35	445						
583760 PIXYS TRISTRAM XAVIER.....*		2	16	1-35	18	2.6	9,424	5.11	482	**	27	+169	+.02	+10	+13
07-07-58 530104 2033732 5-73					19		8,764	5.09	446						
583808 JESTER MASTER FARMER.....*		8	3	3-31,61,	18	2.3	7,686	5.31	408	33	47	-488	+.14	-12	-25
09-11-58 534585 1861567 5-73				74	18		8,676	4.99	433						
583873 CHAMPIONS SOUVENIR.....		2	24	1-93	26	2.3	7,045	5.20	366	16	27	-370	+.06	-13	-22
10-21-58 519828 1797342 5-73					48		8,328	4.97	414						
583874 CHAMPIONS EUREKA.....*		2	10	2-23,56	19	5.0	10,358	4.78	495	0	39	+551	-.04	+24	+36
10-21-58 519828 1651668 5-73					83		8,908	4.84	431						
583915 CHAMPIONS DANDY FABLE.....*		8	3	5-82,85,	15	3.5	10,572	4.78	505	0	45	+520	-.08	+18	+31
12-03-58 519828 2074985 5-73				86,87,93	41		9,453	4.92	465						
583958 NOBLEMANS LOTUS DESIGNER.....*	21-10	324	8	30-11,12,	1,290	1.4	10,466	4.94	517	14	97	+627	-.08	+23	+38
11-15-58 552844 1946996 1-73				13,14,21	25		9,890	5.03	497						
583982 WELCOME MOHAWK SULTAN.....*		2	8	1-21	10	2.1	8,742	5.47	478	**	24	-251	+.03	-10	-16
08-29-58 503554 2058057 5-73					32		9,839	5.39	530						
584105 DREAMING KITTYS DESTINY.....*		4	6	3-55,56,	11	1.4	6,300	4.90	309	**	26	-290	+.05	-10	-17
10-12-58 512545 2155036 5-73				57	82		7,227	4.70	340						
584155 DRACONIS ROYAL VICTORY LAD....		1	16	1-74	16	3.1	9,728	4.54	442	**	27	+181	-.04	+5	+10
08-17-58 473215 2056664 5-73					36		9,033	4.65	420						
584321 BRIGHAM MAIDEN LAD ORVILLE....	93-19	35	129	12-13,22,	426	2.8	10,755	4.95	532	12	59	+306	-.06	+10	+17
10-06-58 480642 1447846 5-73				56,88,93	148		10,353	5.04	522						
584322 BRIGHAM ZINNIAS ADVANCER PILOT*		3	30	1-13	61	3.6	9,534	5.42	517	14	45	-207	+.06	-5	-10
11-08-58 544480 2071306 5-73					34		10,083	5.34	538						
584323 BRIGHAM ADVANCER PAGE.....*		1	31	1-14	31	3.1	7,887	5.55	438	5	29	-159	+.04	-4	-8
01-19-59 544480 2071310 5-73					22		8,357	5.46	456						
584382 DESIGN BASIL WORTH BELMONT....*		2	49	1-65	64	2.1	7,821	4.67	365	27	33	-147	.00	-7	-10
08-11-58 551512 1383881 5-73					72		8,164	4.68	382						
584458 MARLU MILESTONE MILKBOY.....*	23-09	250	15	32-23,52,	1,276	2.3	9,944	4.91	488	13	97	+631	-.13	+19	+35
08-09-58 553805 1914092 1-73				53,65,72	23		9,300	5.04	469						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF OAU /HD	STATES NO- WITH MOST OAUS	... DAUGHTERS AND HEROMATES ... DAUS HM/OAU	REC/DAU HEROMATE	MILK	% FAT	FAT	% 1ST INC	REPT %	PREDICTED DIFFERENCES MILK	% FAT	FAT $$
584515 DESIGN FAVORITE BETS STANDARD.*		4	15	2-55,56	20	3.9	10,003	4.81	481	0	33	-130	-.02	-8 -10
11-25-57 510322 1472196 5-73					55		10,528	4.86	512					
584523 AOVANCER LADYS PIONEER.....*		3	18	2-86,92	22	3.3	10,237	5.29	542	6	30	+18	+.08	+8 +7
C1-29-59 496820 1843710 5-73					32		10,284	5.09	523					
584525 BIJRAD 8AS DIPLOMAT.....		1	31	1-57	31	3.7	9,230	4.88	450	7	30	-308	+.01	-14 -21
10-15-58 010124107 2250364 5-73					18		10,393	4.87	506					
584561 MARLU COMMANOO MILESTONE.....*		19	11	13-14,21,	47	1.9	8,959	5.06	453	**	55	-211	+.06	-5 -10
08-28-58 553805 1748310 5-73				22,32,91	19		9,359	4.96	464					
584562 MARLU MILESTONE CRUSAOER.....*	34-01	119	14	20-32,34,	431	2.7	8,777	5.16	453	14	91	+66	+.02	+5 +6
C8-28-58 553805 1748310 5-73				56,64,93	23		8,650	5.16	446					
584584 STANOARO KAREN FILLPAIL.....*		6	4	1-21	15	2.1	8,576	5.13	440	50	39	+88	+.04	+8 +9
C3-13-58 546449 1541609 5-73					29		8,254	5.04	416					
584603 ZEPHYRS MR. SUCCESS.....*		4	23	3-35,41,	29	2.4	10,282	5.26	541	0	31	+157	-.03	+5 +9
09-20-58 550285 1783807 5-73				92	19		9,835	5.42	533					
584664 ATOMIC LIBERATOR.....*	91-13	248	10	19-41,43,	932	2.0	9,940	5.06	503	15	96	+140	+.02	+9 +12
10-13-58 554125 2014945 5-73				91,92,93	19		9,860	5.05	498					
584682 ITASKA PRIDE KING.....*	33-03	64	8	26-21,43,	153	2.0	8,592	5.19	446	18	82	-727	+.12	-26 -43
C8-18-58 553772 1974105 5-73				61,74,93	24		9,509	5.06	481					
584835 COMMANOO ROYAL PRINCE AIM.....		3	20	2-48,74	33	2.2	7,062	5.28	373	12	35	-309	+.04	-12 -19
C8-01-58 533644 1683248 5-73					7		7,796	5.18	404					
584883 REX ORUCE SYBIL OF B.H.....*		2	20	1-52	27	3.2	8,843	5.18	458	18	33	+8	+.05	+5 +4
C9-20-58 542984 2154365 5-73					5		8,776	5.04	442					
584908 STAROUST CERES PRIDE.....*	93-05	12	11	3-91,92,	50	1.8	10,321	5.17	534	16	56	-69	+.13	+8 +4
11-02-58 557569 1898748 5-73				93	24		10,585	4.98	527					
584932 PRINCE TRIPLE IVY SIR.....*		6	25	2-65,72	42	2.7	7,598	4.83	367	31	38	-225	-.01	-12 -17
C8-12-58 557846 1791098 5-73					33		8,086	4.90	396					
584963 VALIANT PLUME JESTER.....*		6	18	6-13,23,	27	3.3	7,264	5.11	371	9	36	-238	+.01	-11 -16
C8-02-58 495473 1627333 5-73				31,33,41	11		7,798	5.13	400					
585285 EARTHAS AOVANCER OF TWIN 8AMS.*		6	6	1-92	14	2.6	9,000	5.40	486	22	35	-341	+.10	-8 -17
01-24-59 559084 2016650 5-73					37		10,067	5.16	519					
585349 ROYAL SABLES AOVANCER.....*		2	21	2-48,73	23	2.7	9,633	5.28	509	19	28	-65	+.04	0 -2
08-15-58 557870 2147715 5-73					29		9,941	5.19	516					
585350 THE TRAOEMARK.....*	35-75	134	6	36-13,21,	314	1.3	10,249	5.35	548	11	91	+398	+.26	+45 +49
08-16-58 497355 1932122 1-73				35,64,74	33		9,878	5.09	503					
585355 SABLE FAN VICTORY.....*		24	9	5-12,13,	67	2.1	9,466	5.11	484	18	66	+434	+.05	+26 +34
09-30-58 497355 1862535 5-73				14,22,55	20		8,760	5.05	442					
585357 SABLES MJOEL SIGNAL.....*		1	26	1-86	26	3.0	9,839	4.49	442	12	28	+6	-.04	-3 -2
10-12-58 513246 1747517 5-73					46		9,888	4.61	456					
585358 SABLES WELCOME VOLUNTEER.....*		3	45	2-32,73	51	2.4	7,339	4.74	348	26	30	-184	-.02	-11 -15
11-16-58 513246 1932100 5-73					10		7,812	4.85	379					
585397 JESSIES SJN OANCER.....		1	92	1-93	92	3.2	8,883	4.89	434	8	31	+33	-.02	0 +1
11-12-58 550387 2017799 5-73					143		8,730	4.96	433					
585403 PIXYS TRISTRAM OAIRYMAN.....*		2	67	1-42	69	2.5	7,659	4.98	382	0	30	+86	.00	+4 +6
C3-18-59 530104 2033734 5-73					42		7,180	5.01	360					
585423 IMP. ITASKAS FILLPAIL OESIGNER*		7	25	2-92,93	71	2.4	9,046	4.86	440	26	50	-607	-.08	-37 -49
C5-01-58 581485 010065916 5-73					29		10,371	5.03	522					
585719 PINNACLE 8LONOE JEST AIM.....*		3	12	2-58,64	16	4.6	7,445	5.22	389	0	32	-111	+.05	-1 -4
01-01-59 534381 2029336 5-73					45		7,644	5.09	389					
585748 IMP. KEEPERS JEST OREAMER.....*		34	32	6-11,41,	196	2.0	9,376	5.13	481	6	68	-261	+.08	-6 -13
03-20-57 010038833 010052638 5-73				42,87,93	41		9,821	5.04	495					
585867 BRAMPTON 8EL 8AS CAROM.....*		5	13	1-64	39	3.2	8,278	4.74	392	12	49	+69	-.06	-2 0
C9-17-58 010121754 010233588 5-73					82		8,020	4.89	392					
585878 EDGELEA OREAMER ACTION.....*		2	11	2-32,58	13	3.1	8,744	4.81	421	0	27	+62	-.01	+2 +4
01-01-56 583022 010159878 5-73					88		8,435	4.83	407					
585915 FAVORITE MILESTONE.....*		6	9	1-55	21	2.2	7,738	5.01	388	42	38	-265	+.01	-12 -18
C2-25-59 553805 2061305 5-73					17		8,346	5.00	417					
585918 LEAOER ROYAL NOBLEMAN.....*	31-02	104	8	19-31,43,	312	1.7	9,466	4.97	470	15	90	+233	.00	+12 +17
C2-17-59 557370 1952644 5-73				55,65,72	44		9,208	4.96	457					
585937 NOBLE JESTERS MARI-MAN.....*		17	15	8-33,35,	52	2.7	8,489	5.07	430	13	53	-200	+.06	-5 -10
12-18-58 556970 2063404 5-73				42,43,63	11		8,828	4.97	439					
586033 LAVENOER JESTS CANDY BINDLE...*		4	17	2-32,34	31	2.7	7,699	5.40	416	18	38	-211	+.04	-7 -12
09-24-58 570511 2090593 5-73					11		8,146	5.33	434					
586036 JESTER NOBLE FAVORITE LEAOER..*	35-05	86	6	11-34,35,	220	2.2	8,945	5.06	453	18	89	-8	.00	0 0
01-11-59 567370 1952641 5-73				41,42,43	15		8,928	5.09	454					
586263 8ELMONT SIXTH GENERATION.....*	23-13	136	13	29-31,51,	438	1.6	6,834	4.92	435	14	90	-260	-.11	-23 -27
11-10-58 010124304 2017986 5-73				56,63,64	25		9,114	5.07	462					
586299 HIGH MARKS ETTA STAR.....*		2	17	1-58	19	4.7	9,905	4.77	472	18	30	+143	-.01	+6 +9
C3-11-59 555141 2122946 5-73					50		9,453	4.78	452					
586309 DAYWOOO AOVANCER LUKE.....*		2	6	2-92,93	11	2.7	9,854	5.06	499	29	30	+209	.00	+10 +15
03-08-59 545586 2303699 5-73					43		9,142	5.10	466					
586355 OOUBLE J BANNERS SENATOR.....*		3	11	3-82,85,	16	1.4	7,754	4.77	370	0	27	-77	+.01	-3 -5
10-25-58 565339 2126284 5-73				86	30		7,910	4.74	375					
586554 ZEPHYR SUPREME COMMANOO.....*		5	7	3-12,21,	18	1.4	8,425	4.99	420	22	34	-110	-.03	-8 -10
04-05-59 550285 2151650 5-73				86	67		8,696	5.12	445					
586612 OONNAS OESIGN OREAMER.....*		3	53	2-57,63	59	4.2	9,205	4.92	453	13	34	+77	-.01	+3 +5
C8-30-58 526137 1773722 5-73					27		8,949	4.94	442					
586708 MANAOEL OWL OREAMER.....*		2	13	1-35	15	2.4	8,417	5.36	451	27	26	-272	+.01	-13 -19
04-03-59 535059 1312477 5-73					22		9,497	5.37	510					
586740 OOTTRINAS 8RIM MASTERSON.....*		2	39	1-74	74	3.4	6,373	4.90	312	8	44	+13	+.01	+2 +2
05-02-59 554190 1871240 5-73					51		6,027	4.81	290					
586754 TEFFIAS PINN AIM.....*		2	13	1-34	17	4.2	8,811	5.41	477	0	30	-132	+.06	-1 -5
02-24-58 507867 1891359 5-73					15		9,253	5.27	488					
586774 GOLOEN COMMANOO 8ASILEUS.....*		1	54	1-74	54	2.4	8,943	5.23	468	26	29	-158	-.03	-11 -14
04-12-59 574676 2093395 5-73					45		9,531	5.42	517					

REGISTRATION NUMBER / NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HO	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS HM/DAU	REC/DAU HEROMATE	MILK	%	FAT	% 1ST INC	% REPT	%	PREDICTED DIFFERENCES MILK	%	FAT	$$
586832 ADVANCER BEAUTYS PRINCE.....*		19	3	6-23,31,	37	2.4	7,459	5.23	390	23	64		-851	+.10	-34	-54
C1-28-59 553149 2193204 5-73				61,63,65	21		8,756	5.07	444							
586849 BRIGHAM CONFIDENT PAXTON.....*		2	14	1-13	20	3.8	10,549	4.94	521	16	33		+206	-.01	+9	+14
C5-28-59 549813 1987391 5-73					18		10,014	4.97	498							
586991 JESILEUS RADAR.....*		5	4	3-42,47,	14	3.8	8,898	5.26	468	10	41		+223	+.02	+13	+17
C2-08-59 499207 2000401 5-73				84	26		8,255	5.26	434							
587097 BARON WELCOME CHAMP.....*		1	12	1-34	12	3.7	9,447	5.56	525	0	26		+57	+.02	+5	+6
C4-30-59 541555 2025213 5-73					67		9,229	5.55	512							
587222 WILLOW FILLPAIL MOGUL TUCK....*		2	30	1-56	32	2.8	9,578	5.30	508	15	29		-273	+.04	-10	-16
C2-02-59 557973 1845370 5-73					84		10,675	5.20	555							
587238 KNIGHTS BLONDE SABLES SIGNAL..*		1	35	1-74	35	2.7	9,748	4.90	478	0	28		+246	-.02	+10	+16
C5-21-59 541681 2165703 5-73					23		8,835	4.99	441							
587250 BROWNLANE GENERATIONS PROMISE.*		2	8	2-12,13	11	3.4	8,555	5.33	456	0	28		-229	+.02	-10	-15
C1-04-57 010124304 010197505 5-73					15		9,400	5.31	499							
587343 BRAMPTON JERSEY RADAR.....*		1	47	1-65	47	2.6	6,393	4.30	275	3	28		-404	.00	-20	-29
C7-04-58 556874 1911000 5-73					14		7,677	4.40	338							
587488 MARLU MILESTONE PIONEER.....*	91-13	60	7	7-82,84,	154	3.0	9,560	5.06	484	19	65		-191	+.01	-9	-13
C4-03-59 553805 1726397 5-73				87,91,92	19		9,850	5.08	500							
587546 BLUE SPRINGS NOBLE OESIGNER...*	63-02	15	17	8-11,12,	73	1.7	8,310	4.93	410	20	57		-229	-.11	-21	-24
10-03-59 582721 1538747 5-73				14,21,63	48		8,652	5.17	448							
587561 JESTER SLEEPING JESTER.....*	63-02	11	6	6-21,23,	24	2.3	8,498	5.12	435	28	47		-174	+.05	-4	-9
C1-02-59 534585 2180670 5-73				35,61,63	16		8,837	5.02	444							
587689 MARLU MILESTONE EMBLEM.....*		6	16	2-55,56	35	2.1	8,921	4.72	421	23	41		-76	-.06	-9	-10
C3-21-59 553805 1968108 5-73					49		9,099	4.88	444							
587725 RUTGERS ESMONO SABO.....*		6	8	4-12,22,	26	3.0	10,851	5.11	555	27	47		-216	+.12	0	-7
C1-23-59 532114 1692170 5-73				23,55	31		11,551	4.92	568							
587735 DANCING WONDER ACME.....*		6	4	3-33,35,	13	1.5	8,688	5.09	442	**	34		-396	.00	-20	-28
10-16-59 559636 2035670 5-73				41	20		9,947	5.14	511							
587761 WONDROUS SPARKLE OESIGNER.....*		4	7	2-57,58	12	3.4	8,057	5.08	409	0	32		-260	+.02	-11	-17
02-27-59 561278 2053165 5-73					10		8,839	5.06	447							
587775 ITASKA BELMONT LOO-BOY.....*		4	8	1-64	14	2.7	7,341	4.97	365	14	33		-175	+.03	-6	-10
C7-28-59 520847 2039853 5-73					52		7,726	4.88	377							
587809 GOLDEN ETTA OREAMER.....*		29	3	10-31,33,	51	3.3	7,988	4.89	391	6	74		-293	-.11	-24	-29
C3-20-59 555141 1956106 5-73				35,41,47	16		8,297	5.09	422							
587828 MILADYS CLIMAX COMMANOO.....*		3	35	1-65	49	2.7	9,485	4.79	454	0	35		+27	-.03	-1	0
10-27-59 577134 2097072 5-73					24		9,430	4.89	461							
587881 CLEMATIS ROYAL RECORDS.....*		4	15	1-13	30	3.0	8,151	5.35	436	10	41		-445	+.07	-16	-27
C8-24-59 578877 010245846 5-73					20		9,236	5.20	480							
587884 BASILEUS SUPREME.....*	35-75	120	27	32-57,58,	467	2.5	8,655	4.88	422	11	87		-228	-.06	-17	-21
C3-03-59 530237 2097078 9-72				64,65,74	49		8,888	4.96	441							
587947 MISTER PRODUCTION.....*	91-13	75	3	6-82,85,	140	2.7	8,974	5.28	474	21	88		-559	+.18	-12	-27
11-21-59 557868 2074985 5-73				87,91,92	18		9,659	5.09	492							
587962 IMP. GALINTHIAS MONARCH.....	93-16	11	27	2-92,93	108	2.2	9,593	5.19	498	22	59		-384	+.16	-5	-16
C4-14-59 010039016 010068336 5-73					84		10,356	4.96	514							
587975 LACER OF FAIRFIELO.....		1	40	1-13	40	2.6	8,899	5.06	450	17	28		-10	+.01	0	0
C8-20-59 571769 1811813 5-73					14		8,908	5.07	452							
588023 BRIGHAM SYBIL OWL.....	63-01	31	8	2-55,63	124	3.0	8,351	5.07	423	14	81		-346	+.14	-5	-15
11-18-59 532113 1850119 5-73					24		8,733	4.89	427							
588092 DANDY FAVOR COMMANOO.....*	65-02	19	10	3-65,72,	68	1.9	8,240	4.65	383	16	64		-522	-.10	-35	-45
01-26-59 556096 1824029 5-73				74	30		9,036	4.83	436							
588103 GOLDEN ETTA ADVANCE.....*		8	16	3-11,13,	44	3.1	10,033	4.91	493	14	49		+247	-.13	0	+7
11-25-59 555141 2101020 5-73				14	24		9,566	5.19	496							
588114 JESTER SLEEPING ADVANCER.....*	65-02	32	20	7-31,32,	135	2.3	9,271	4.83	448	20	69		+47	-.01	+1	+2
02-08-59 534585 2066252 5-73				33,43,65	22		9,234	4.85	446							
588134 ADVANCERS RUSH.....*		4	5	2-35,64	17	4.5	8,843	5.08	449	0	45		-76	+.03	-1	-3
10-07-59 528332 1870182 5-73					59		8,995	5.03	452							
588135 ADVANCER CORNET.....*		1	43	1-84	43	2.9	8,744	5.05	442	11	29		-55	-.01	-4	-5
10-14-59 528332 1770297 5-73					45		8,936	5.18	461							
588142 CHINA DOLLS ACME.....*		2	48	1-48	62	3.2	9,910	5.11	506	2	37		+209	.00	+10	+15
02-05-59 530237 2188473 5-73					14		9,353	5.14	481							
588190 SECRET BASIL.....*		1	15	1-34	15	4.9	9,340	4.80	448	7	28		+177	-.06	+3	+8
03-12-59 497574 1975133 5-73					9		8,647	5.01	433							
588206 LEADER SPARKLING JESTER.....*		5	10	3-43,92,	27	3.4	8,753	5.29	463	**	46		-113	+.09	+3	-1
C8-08-59 557370 1769053 5-73				93	42		8,979	5.08	456							
588262 HEADSPRING COMMANOO PROFITEER.*		2	31	1-57	33	1.7	6,741	5.38	363	55	26		-325	-.01	-17	-24
C4-22-59 557445 1907623 5-73					68		7,855	5.49	431							
588316 OAYPECK PATTERN AIM.....*		1	19	1-43	19	3.4	9,193	5.35	492	11	28		-99	+.05	0	-3
12-04-59 552974 2046007 5-73					43		9,598	5.15	494							
588371 ST. MAWES VICTORS PRINCE.....*		2	52	1-42	54	3.1	10,147	4.89	496	6	31		+131	-.06	+1	+5
C2-26-59 544523 2072515 5-73					16		9,784	5.07	496							
588388 ALETTA GENERATION.....*		6	5	4-11,12,	16	4.3	10,787	4.76	513	0	43		+482	-.18	+7	+20
11-24-59 010124304 2167610 5-73				13,55	28		9,705	5.16	501							
588400 BRIARCLIFFS DANDY LAD.....*	11-01	37	2	3-11,12,	64	3.6	9,661	4.98	481	13	80		-16	-.03	-4	-4
C7-20-59 532323 1513586 5-73				13	21		9,736	5.03	490							
588449 DESIGNING TWICE BASIL.....*		3	47	1-65	74	2.4	8,622	4.60	397	13	38		+100	-.04	+1	+4
C8-18-59 551512 1850917 5-73					65		8,269	4.68	387							
588474 WINSOMES ROYAL BRUTUS.....*		10	8	4-14,21,	34	3.4	10,441	4.88	510	0	55		+404	-.15	+6	+17
C6-03-59 558206 1582165 5-73				55,56	14		9,759	5.16	504							
588501 MARLU MILESTONE WONDER.....*		1	27	1-21	27	3.9	10,002	4.89	489	14	29		+101	-.03	+2	+5
C8-18-59 553805 2092116 5-73					8		9,702	4.99	484							
588502 MARLU MILESTONE FORTUNE.....*		2	57	2-74,85	68	3.0	9,310	4.79	446	6	34		-214	+.05	-6	-11
C8-28-59 553805 1858262 5-73					42		10,030	4.68	469							
588541 COMMANOO MASTERSON ACTOR.....*		2	37	1-74	66	3.0	5,854	4.71	276	17	42		-299	-.02	-17	-23
08-16-59 554190 1865217 5-73					53		6,282	4.82	303							

REGISTRATION NUMBER NAME DF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES AND WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS HM/DAU	REC/DAU HEROMATE	MILK	%	FAT	% INC FAT	1ST	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
588653 WONDERFUL DESIGN LA FOSSE.....*		5	18	2-56,57	30	1.7	6,366	4.74	302	44	33		-419	+.02	-19	-28
11-03-58 488922 1850472 5-73					68		7,452	4.74	353							
588733 MARLU MILESTONE BANNER.....*	61-02	96	11	16-31,32,	259	2.2	8,313	5.03	418	15	87		-424	+.02	-19	-28
12-18-59 563805 1968103 9-72				33,61,74	22		8,758	5.01	439							
588745 GIPSY BASIL WONDER ATLAS.....*		5	38	2-55,56	51	2.5	8,146	5.01	408	14	34		-181	+.01	-8	-12
01-10-60 516718 2225725 5-73					29		8,622	5.01	432							
588804 STAR LUKES ALPHA PRINCE.....*		6	13	3-13,21,	32	3.2	9,547	5.67	541	13	44		-51	+.17	+13	+9
06-02-59 466643 1950307 5-73				56	41		9,717	5.33	518							
588823 P.V.F. BRJND ACE.....*		8	5	1-21	24	3.3	9,174	5.23	480	24	52		-250	+.11	-3	-10
01-26-60 475541 2038424 5-73					29		9,738	5.05	490							
588828 FAVORITE ETTA STAR.....*		6	12	5-31,34,	23	3.3	8,820	5.25	463	11	39		+2	+.04	+4	+3
01-17-60 565141 2076048 5-73				55,61,72	15		8,772	5.15	452							
588835 MARLU MILADY EPIC.....*	33-03	712	7	45-13,23,	2,200	2.5	8,496	5.33	453	17	99		-538	+.27	-3	-19
07-06-59 550331 2092114 1-73				31,41,65	22		9,024	5.06	457							
588961 IDEAL JESTER PINNACLE.....*		2	9	1-31	11	3.1	7,478	5.24	392	**	25		-140	+.04	-3	-7
10-05-59 542372 2191875 5-73					20		7,905	5.10	403							
588974 MILADYS DESERT PATTERN.....	93-01	18	11	3-91,92,	60	1.9	10,372	5.32	552	**	59		-206	+.10	-1	-7
04-10-59 552974 2092108 5-73				93	55		10,890	5.21	567							
589000 SABLES GOLDEN LAD.....*	91-13	79	5	10-81,82,	201	2.7	9,276	5.54	514	8	90		-421	+.41	+15	0
06-19-59 580237 2188449 5-73				84,91,92	19		9,808	5.12	502							
589043 FAVORITE GOLDEN LAD.....*	91-11	39	5	14-16,35,	81	2.0	8,760	5.11	448	24	76		-98	+.05	0	-3
10-01-59 574796 1650393 5-73				41,42,43	17		8,855	5.07	449							
589069 MARLU MILAD.....*	35-75	272	8	40-22,32,	714	1.5	9,176	5.15	473	15	95		-412	+.11	-11	-22
11-01-59 584285 1726368 9-72				57,65,74	29		9,655	5.06	489							
589109 PATHFINDERS CHAMPION JAQUES...*		3	9	2-35,42	14	2.7	8,664	5.10	442	0	30		+75	-.04	0	+2
03-27-60 557868 2263020 5-73					7		8,326	5.27	439							
589114 BILTMORE WONDERFUL FOX.....*		9	4	2-55,74	25	2.6	7,968	4.77	380	20	53		+3	-.02	-2	-2
10-29-59 466643 1720933 5-73					48		7,824	4.83	378							
589166 SECRET TWINKLING VICTOR.....	91-11	59	23	20-42,74,	263	1.8	9,914	5.04	500	12	79		+373	+.06	+24	+31
11-07-59 497574 1682914 5-73				91,92,93	49		9,466	4.98	471							
589199 MARLU MILADY CHARMER.....*		6	5	1-65	16	3.8	8,087	5.00	404	8	44		+210	+.05	+15	+19
07-12-59 552974 2128382 5-73					30		7,432	4.83	359							
589203 RECORDS AIMING STARFINDER.....*		3	7	1-43	10	2.4	8,267	5.00	413	50	25		-19	-.01	-2	-2
04-10-60 520485 2154616 5-73					22		8,253	5.09	420							
589274 GALAXY CASUAL J.B. SKIPPER....*		2	10	1-13	19	2.5	7,989	5.28	422	44	35		-249	+.06	-7	-13
11-22-59 542372 2111902 5-73					16		8,643	5.13	443							
589275 GALAXY NOBLE CAPTAIN.....*		3	15	1-13	29	2.7	8,145	5.23	426	27	39		-185	+.04	-6	-11
11-24-59 542372 1665519 5-73					14		8,555	5.17	442							
589386 DESERT ETTA STAR.....*		19	29	12-23,31,	68	2.5	9,531	5.05	481	18	46		-125	+.09	+2	-2
01-20-60 565141 1914086 5-73				32,48,86	17		9,870	4.84	478							
589390 IMP. ITASKA* FILLPAIL REVIVER.*	51-02	90	6	21-23,51,	195	3.0	8,236	5.17	426	18	88		-244	+.09	-4	-11
12-15-59 010008611 010057693 5-73				54,56,72	24		8,437	5.08	429							
589538 MAGIC PATRICK.....*		1	18	1-13	18	2.8	9,604	4.99	479	22	26		-140	+.03	-4	-8
06-14-59 577209 1900620 5-73					35		10,264	4.91	504							
589562 PINN FAVORITE SON.....*		12	38	5-12,52,	69	2.8	8,252	5.30	437	10	42		-283	+.09	-6	-13
09-20-59 549122 2066323 5-73				55,56,57	98		8,896	5.09	453							
589609 SOUVENIR STANDARD MASTERMAN...*		2	8	1-31	12	1.6	7,129	4.95	353	8	26		-177	-.04	-12	-15
08-29-59 577058 1942838 5-73					10		7,652	5.18	396							
589636 GIL-BAR JESTER CAROM.....*		6	32	3-35,41,	51	2.0	7,276	5.09	370	26	36		-339	-.07	-23	-29
12-26-59 558413 1835152 5-73				42	16		8,103	5.37	435							
589656 ADVANCER MARIEKAS COMMANDO....*		1	15	1-61	15	4.1	7,554	4.47	338	0	28		+152	-.06	+2	+6
07-12-59 534585 2092697 5-73					15		6,760	4.67	316							
589703 HI-LAND SYBIL COMMANDO ADMIRAL*		4	5	1-21	12	3.1	9,598	5.22	501	0	34		+113	+.03	+8	+10
10-25-59 552974 2148418 5-73					32		9,275	5.16	479							
589728 ACMES GENERATION.....*		5	17	1-64	30	3.2	9,144	4.66	426	8	39		+227	-.08	+4	+10
07-30-59 010124304 2280462 5-73					89		8,499	4.82	410							
589733 STANDARD VOLUNTEER JEST.....*		6	5	2-41,43	20	3.4	9,768	5.12	500	0	46		-213	+.06	-5	-11
10-11-59 526611 1953313 5-73					29		10,344	5.03	520							
589770 UNA DESIGN RULER.....*		5	9	1-61	22	3.3	8,125	5.03	409	11	41		-36	-.02	-4	-4
01-02-59 010008696 010061736 5-73					13		8,106	5.13	416							
589772 IMP. PAULINES FILLPAIL RULER..*		9	43	4-15,16,	105	2.8	8,943	4.70	420	11	50		+249	-.06	+7	+13
01-05-58 581485 010059790 5-73				31,64	90		8,358	4.80	401							
589815 BRAMPTON COLUMBUS DREAMER.....*		1	36	1-35	36	2.7	7,405	4.89	362	3	28		-175	-.07	-15	-18
01-13-60 010128409 010292101 5-73					30		7,900	5.24	414							
589842 MARAVIEW SLEEPING PANSY PRIDE.*		4	17	3-33,57,	24	3.5	8,628	5.15	444	14	33		-99	+.05	0	-3
08-14-59 534585 1852642 5-73				61	22		8,898	4.98	443							
589854 JESTAIM ROYALIST CHECKMATE....*		2	5	1-33	10	2.2	8,960	5.12	459	**	27		+7	+.03	+3	+3
02-24-59 571163 2080722 9-72					22		8,906	5.02	447							
589928 JOHNNYS GOLDEN ETTA STAR.....*		14	8	5-31,42,	44	2.8	8,753	4.88	427	11	58		+60	-.13	-8	-4
03-17-59 565141 1876480 5-73				51,55,61	14		8,551	5.15	440							
589999 MARIAS RADAR.....*		2	28	1-42	30	2.2	7,062	5.13	362	18	28		+48	+.04	+6	+6
09-06-59 499207 2059475 5-73					5		6,634	4.93	327							
590165 TENN WAR BREAD O 1 C LAD.....*	61-02	25	28	7-34,57,	118	1.9	11,319	4.81	544	17	59		+405	-.10	+11	+21
04-18-60 535058 2067708 5-73				63,64,71	42		10,790	4.94	533							
590182 BELLE BEACON BASIL.....*		1	12	1-34	12	5.2	7,354	5.32	391	0	27		-208	+.04	-7	-12
03-26-59 554902 1986670 5-73					10		8,026	5.18	416							
590208 GEMS BRAVO NICK.....*		3	11	2-82,86	20	2.4	7,121	4.87	347	40	35		-441	-.03	-25	-34
02-06-58 564823 1899827 5-73					12		8,305	5.03	418							
590286 MASTERMAN PROUD STATESMAN.....*		1	39	1-65	39	2.3	6,987	4.62	323	**	28		-64	-.01	-4	-5
07-28-59 580986 2226240 5-73					34		7,000	4.69	328							
590317 NANCYS SLEEPING ADVANCER.....*	33-03	92	13	28-23,31,	273	1.5	9,886	5.03	497	11	85		+118	+.01	+7	+9
09-21-59 534585 1885524 5-73				43,63,93	27		9,808	5.02	492							
590318 WONDERFUL PAMSON.....*	35-75	129	23	34-55,57,	392	1.6	9,213	4.66	429	10	84		+282	-.17	-2	+7
02-07-60 534585 1755015 1-73				65,74,93	59		8,841	4.86	430							

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS HM/DAU	REC/DAU HERDMATE	MILK	%	FAT	% 1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
590392 MILESTONE BASILEUS PINN.....*		2	29	1-48	31	3.1	6,114	4.92	301	20	30	-437	+.02	-20	-30
09-08-59 577026 1862684 5-73					5		7,406	4.89	362						
590396 Y-BROOK COMMANDO.....*		7	4	1-31	16	3.1	8,092	5.13	415	27	42	-250	+.07	-6	-12
12-20-59 552974 2166399 5-73					17		8,634	4.97	429						
590474 OHIO ADVANCERS PRINCE.....*		5	9	2-31,34	19	3.6	8,589	4.69	403	24	38	-53	-.11	-13	-12
12-18-58 556200 2081233 5-73					15		8,679	5.06	439						
590494 COMMANDO ADVANCER POMP.....*		1	25	1-63	25	2.4	6,291	5.09	320	**	28	-192	+.02	-8	-12
01-23-60 493979 1783612 5-73					51		6,748	5.05	341						
590527 ADVANCERS CARRYON.....*		15	6	8-23,31,	30	3.0	8,252	5.26	434	25	55	-463	+.07	-17	-28
08-17-60 556676 1929331 5-73				32,35,61	21		9,091	5.14	467						
590592 COMMANDO ROYAL PET OXFORD.....*		4	4	1-65	12	1.8	5,713	4.97	284	**	34	-454	+.05	-18	-29
02-01-60 557063 1964941 5-73					8		6,830	4.77	326						
590598 HEARTY LOJISES RULER.....*		9	13	6-31,35,	29	2.9	7,345	5.11	375	17	42	-410	.00	-20	-29
01-28-60 0100J9016 2337358 5-73				41,42,43	19		8,235	5.14	423						
590607 FASHION LEADERS LORD BASIL....*		2	22	2-32,65	24	3.6	6,098	5.20	317	4	30	-357	+.03	-15	-23
09-28-59 557370 2182475 5-73					12		7,076	5.09	360						
590691 DANDYMAC BEACON GOLD RING.....*		4	34	2-23,56	51	3.5	9,282	4.73	439	11	38	+112	-.09	-3	+1
10-03-59 574372 2049513 5-73					15		8,964	5.00	448						
590700 MARLU ANSUM MILESTONE.....*		3	20	1-31	24	2.6	7,681	4.91	377	5	30	-65	.00	-3	-4
12-06-59 584285 2226835 5-73					11		7,759	4.92	382						
590804 SHINING SYBIL PROMOTER.....*		4	12	2-42,46	28	2.8	9,833	5.30	521	13	43	+168	+.10	+18	+20
09-29-59 529947 2118992 5-73					23		9,467	5.09	482						
590842 BILTMORE SECRET PLAYBOY.....*		7	2	2-55,56	10	2.9	7,942	5.02	399	30	36	-218	+.05	-6	-12
02-12-60 497574 2032411 5-73					51		8,470	4.89	414						
590895 CHAMPIONS TRISTRAM PAYMASTER..*	23-05	9	1	1-23	11	2.8	9,207	5.07	467	18	41	+30	-.02	0	+1
09-05-60 519828 1796086 5-73					16		9,127	5.14	469						
590929 TWINBROOK NOBLE BRUCE.....*		12	5	6-11,13,	31	3.1	9,506	5.13	488	17	59	-131	+.01	-6	-9
01-31-60 546137 1937107 5-73				14,16,21	50		9,790	5.15	504						
590930 NELLY PINN.....*		2	35	1-93	37	2.5	10,732	5.44	584	9	29	-87	+.08	+3	0
04-25-60 531795 1915795 5-73					36		11,241	5.22	587						
590935 DANDY JIM.....*	21-10	64	2	7-11,12,	102	2.5	9,724	4.84	471	18	85	+284	-.19	-4	+5
11-29-59 578890 2183921 5-73				13,16,21	19		9,412	5.09	479						
590961 ADVANCER MODEL HANDSOME JF JZ.*		4	14	1-41	30	3.7	8,136	6.00	488	22	43	-585	+.21	-11	-27
04-06-60 469101 2100659 5-73					9		9,533	5.48	522						
591030 VICTORYS OREGONIAN.....*		4	19	3-86,92,	28	2.3	9,574	4.80	460	**	33	-138	+.05	-2	-6
11-06-59 580237 2186451 5-73				93	43		10,080	4.67	471						
591110 JESTER GOLDEN COMMANDO.....*		4	50	2-84,92	56	1.7	8,280	4.86	402	**	29	-166	-.01	-9	-12
12-06-59 574676 2077838 5-73					35		8,822	4.94	436						
591147 LEADER SOPHIA SIR.....*	33-03	107	3	31-13,21,	175	2.7	9,048	5.02	454	11	91	+245	-.03	+9	+15
02-28-60 557370 1505315 5-73				42,43,55	22		8,730	5.06	442						
591148 LEADER L... SOPHIA.....	35-75	64	8	21-13,33,	159	1.5	9,306	5.21	485	20	81	-213	+.12	0	-6
05-22-60 557370 2143115 5-73				35,92,93	30		9,611	5.09	489						
591149 LEADER BELLE BASIL.....*	31-02	189	11	25-31,43,	776	1.4	9,113	4.93	449	17	95	-233	+.03	-9	-14
06-08-60 557370 2055164 5-73				55,65,72	37		9,378	4.91	460						
591153 ADVANCER SLEEPING RADAR.....*		19	17	9-31,32,	48	2.7	7,468	5.29	395	18	49	-351	+.13	-6	-16
10-05-59 534585 1868050 5-73				53,65,72	22		8,074	5.02	405						
591179 HEADMAN DXFORDS LEADER.....*		1	50	1-56	50	2.8	11,293	4.31	487	12	29	+352	-.10	+8	+17
05-15-60 539252 1728247 5-73					56		10,194	4.51	460						
591184 FILLPAIL WONDROUS JESTER.....*		3	9	2-65,72	15	3.2	8,835	5.04	445	**	33	-205	+.06	-5	-10
07-03-60 546993 1994386 5-73					64		9,483	4.89	464						
591212 FAIR-WEATHER SUPERB CHALLENGE.*		2	14	2-21,55	16	3.3	8,777	5.23	459	6	28	+9	.00	0	0
10-21-59 553904 2114633 5-73					106		8,694	5.27	458						
591239 KING B.....*		47	25	18-23,31,	195	1.6	9,284	4.80	446	10	71	+97	-.05	0	+3
10-04-60 531342 2108217 5-73				34,58,64	53		9,142	4.87	445						
591265 DANDYS HAMPTONNE LEADER.....*		1	23	1-65	23	2.5	6,593	4.66	307	8	27	-197	+.01	-9	-13
09-08-60 570876 2064055 5-73					35		7,120	4.68	333						
591277 BEAUTYS RECORD ADVANCER.....*	61-02	55	5	10-23,31,	136	2.6	7,254	5.17	375	23	85	-1,058	+.12	-43	-67
05-21-60 553149 2112324 5-73				58,61,63	22		8,426	5.02	423						
591295 FAVORITE MARSHALL JUDGE.....*		8	11	2-23,31	28	3.6	9,918	4.83	479	4	44	+354	-.09	+9	+18
07-11-60 553813 2202211 5-73					10		9,111	5.03	458						
591314 SABLES VICTORY COMMANDO.....*		3	50	2-63,71	64	2.6	8,446	5.01	423	2	35	+28	-.02	0	+1
04-02-60 513246 2285621 5-73					22		8,272	5.05	418						
591316 IMP. HEARTY FILLPAIL ROYAL....*		7	4	4-33,42,	15	1.9	7,731	5.24	405	**	40	-355	+.09	-10	-19
06-18-60 594412 010066370 5-73				47,48	23		8,552	5.03	430						
591335 MASTER PRODUCTION.....*		1	30	1-56	30	1.5	6,063	4.49	272	**	25	-121	+.01	-5	-8
10-14-60 557868 2074985 5-73					10		6,259	4.41	276						
591346 FAVORITE SPARKY.....*		1	34	1-57	34	3.8	8,763	5.40	473	**	30	+92	+.04	+8	+9
09-02-59 510322 1987567 5-73					16		8,375	5.30	444						
591369 BRAMPTON ROYALIST FAVOR.....*	65-02	49	7	5-56,63,	183	2.2	8,347	4.96	414	13	86	-161	+.09	0	-5
07-12-60 520485 2149545 5-73				64,65,72	25		8,461	4.85	410						
591370 BRAMPTON ROYALIST RECOROS.....*	31-02	29	6	7-31,43,	95	3.0	8,442	4.98	420	15	79	-21	-.02	-3	-3
07-13-60 520485 2175807 5-73				64,65,71	23		8,388	5.02	421						
591382 HEADSPRING SPARK EXPRESS.....*		1	88	1-56	88	2.6	10,431	5.45	568	5	31	-69	+.04	0	-2
03-21-60 571160 2225564 5-73					24		10,823	5.41	585						
591432 OAKPECK MILADY TRIUMPH.....*		3	34	1-43	51	2.7	9,394	5.11	480	19	37	-25	+.02	+1	0
09-27-59 584285 2290330 5-73					38		9,493	5.05	479						
591519 ADVANCER SLEEPING BEACON.....*		6	17	1-65	27	2.7	6,666	5.00	333	5	35	-433	-.01	-22	-31
03-30-60 010121754 2276790 5-73					12		7,753	5.07	393						
591559 BASILEUS PINN DESIGN TOPPER...*		1	17	1-41	17	2.8	8,826	5.09	449	21	26	+177	+.01	+10	+14
12-15-59 557584 2069877 5-73					11		8,016	5.06	406						
591566 SPARKLE SIGNAL CONFIDENCE.....*		6	15	3-55,56,	30	4.7	10,339	5.31	549	4	43	+170	.00	+8	+12
11-14-58 573640 2068811 5-73				63	76		10,024	5.38	539						
591573 BASIL RADARS BELL RINGER.....*		5	22	2-82,85	44	3.6	9,336	5.02	469	13	44	-74	+.04	0	-2
10-01-60 499207 2147381 5-73					24		9,541	4.97	474						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HO	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS	REC/DAU HM/DAU	HEROMATE	MILK	%	FAT	% FAT INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
591573 MARLU GALACTO.....*		10	10	6-31,34,	29	2.1		8,631	5.28	456	26	45	-554	+.16	-14	-28
08-30-60 584285 2029030 5-73				35,41,48	19			9,950	4.96	494						
591630 FERNDALE VOLUNTEER BART.....*		1	16	1-72	16	4.3		7,839	4.55	357	0	28	-151	-.01	-8	-11
09-04-60 459101 1745550 5-73					101			8,294	4.62	383						
591673 JESTERMAN GOLDEN JOLLY.....*		5	7	2-91,92	21	2.6		10,732	5.28	567	7	45	+202	+.03	+13	+17
11-24-60 561469 2005284 5-73					18			10,400	5.26	547						
591747 ROYAL RUSH NOBLE.....*		1	68	1-43	68	2.6		8,234	5.37	442	8	30	+5	.00	0	0
07-20-59 553978 2025605 5-73					16			8,108	5.44	441						
591757 BRAMPTON EUREKA.....*		13	11	11-13,15,	37	2.1		7,832	5.16	404	22	49	-451	+.05	-18	-28
12-26-53 010104635 010209306 5-73				31,87,88	47			8,710	5.07	442						
591759 OAKLEDGE VALIANT DIAMOND.....*		4	8	1-13	22	3.6		9,943	4.85	482	5	44	+227	-.11	+1	+8
12-09-60 552843 2153206 5-73					26			9,446	5.09	481						
591812 HERMITAGE CITATION.....*		6	38	4-21,56,	65	2.3		8,802	5.39	474	20	40	+113	+.04	+9	+11
11-05-60 553904 2230453 5-73				63,86	40			8,442	5.34	451						
591883 BRIGHAM ADVANCER RAYBURN.....		2	36	1-54	55	3.1		9,654	5.16	498	10	38	+32	+.02	+3	+3
12-08-60 555208 1671002 5-73					15			9,613	5.13	493						
591905 MARLU MODEL ANSOM.....*		7	5	2-65,72	23	1.9		7,990	4.76	380	**	47	-297	+.02	-13	-20
07-25-60 584285 2195905 5-73					21			8,567	4.72	404						
591910 RADAR BELMONT PHILIDORA RADAR.*		2	11	1-61	14	2.3		6,483	5.54	359	40	27	-375	+.03	-16	-24
03-26-57 557013 1632741 5-73					8			7,728	5.41	418						
591986 BUTTERNUT TEFFIA TYPE.....*		5	8	5-16,33,	29	1.8		7,913	5.18	410	25	46	-293	+.09	-7	-15
04-07-60 525015 2057457 5-73				35,48,71	14			8,481	5.00	424						
592049 ELM VOLUNTEER PREMIER KING....		1	47	1-93	47	1.5		11,277	5.42	611	35	26	-82	+.04	0	-2
10-26-60 574253 2034085 5-73					87			11,866	5.28	627						
592055 FAVORITE SECRET BRAVE.....	91-01	12	3	1-91	24	3.1		9,961	5.31	529	0	57	-90	+.10	+5	+1
10-27-60 553813 2023234 5-73					20			10,224	5.16	528						
592071 ELEGANT SUPREME.....		1	11	1-93	11	4.0		8,742	4.86	425	20	24	-61	+.02	-1	-3
10-03-60 574115 2358656 1-73					42			8,985	4.79	430						
592073 NORMSLAND BELLE BOY.....*	21-10	274	8	18-11,12,	1,036	1.9		9,905	5.25	520	14	97	+123	+.26	+30	+28
02-15-50 502323 1652984 5-73				13,14,21	22			9,842	5.01	493						
592109 LASSIE SAMARES KNIGHT.....*		4	8	1-65	18	2.6		7,996	4.79	383	31	37	+71	-.04	0	+2
08-08-60 570101 1791098 5-73					42			7,648	4.89	374						
592117 MILESTONE ASTOR WONDER.....*		1	36	1-93	36	2.9		8,946	5.01	448	23	29	+4	+.02	+2	+2
01-10-61 580372 2348534 5-73					151			8,903	4.92	438						
592121 FAIR-WEATHER MILKMAN.....*		3	6	2-31,74	14	2.8		9,217	4.45	410	8	35	+131	-.07	0	+4
01-12-60 579205 2148362 5-73					24			8,804	4.62	407						
592163 JANES JIM.....*	31-02	34	12	17-13,21,	90	1.7		9,368	5.37	503	27	67	-530	+.22	-7	-22
08-19-60 557241 2054813 5-73				31,58,72	34			10,272	5.08	522						
592174 ORACONIS WONOROUS HIGHFIELD...*	35-75	119	6	32-55,64,	340	1.5		9,082	4.99	453	23	92	-329	-.02	-18	-25
10-19-60 564357 1766980 5-73				65,92,93	32			9,470	5.02	475						
592217 NEWFIELDS ROYAL CZAR.....		2	13	2-13,14	15	2.9		8,098	5.32	431	23	27	-224	+.07	-5	-11
07-07-58 572250 2148516 5-73					17			8,902	5.09	453						
592236 ROYAL FALCON.....*		5	6	2-41,42	19	2.1		7,526	4.90	369	8	41	-124	-.04	-10	-12
09-01-60 010129102 2370624 5-73					11			7,682	5.08	390						
592286 WELCOME MARSHALL CHIEF.....*		3	10	1-31	21	4.3		10,908	5.32	580	0	40	+199	+.01	+11	+15
11-08-59 572384 1758776 5-73					14			10,547	5.34	563						
592332 NELOAS LIBERATOR.....		1	25	1-64	25	2.2		6,536	4.91	321	30	26	-315	+.01	-15	-22
07-03-60 579749 1693210 5-73					4			7,585	4.94	375						
592373 BARBARAS ORACONIAN PINN.....*		2	19	1-63	23	3.2		9,857	4.78	471	0	31	+226	-.05	+7	+13
09-08-60 580594 2181794 5-73					19			9,121	4.89	446						
592378 TABLER BEAU SYBIL.....*		2	66	1-74	68	1.8		9,416	4.60	433	11	28	+60	-.04	-1	+1
10-31-60 560227 1872238 5-73					72			9,202	4.75	437						
592382 SIR LANCELOT.....		4	17	1-31	22	2.2		8,053	5.34	430	0	30	-175	+.05	-4	-9
11-04-60 010124107 1757490 5-73					14			8,579	5.18	444						
592440 HI-MARKS STAR SLEEPER.....*		3	10	1-58	21	3.4		9,475	4.69	444	13	39	+61	-.03	0	+2
11-07-60 586299 2316068 5-73					48			9,331	4.76	444						
592468 DOUBLE ETTA STAR.....*		3	57	1-58	63	2.5		9,930	4.80	477	15	31	+23	.00	+1	+2
11-14-60 555141 1922335 5-73					37			9,929	4.78	475						
592487 WILMINGTON WONDER.....*		10	14	4-31,42,	42	2.5		8,476	5.24	444	16	49	-256	+.11	-3	-10
08-09-60 534585 2047514 5-73				63,74	23			8,983	5.02	451						
592493 BRILLIANT CAROM BEAGON.....*		7	16	5-33,41,	31	1.6		6,446	4.93	318	**	35	-386	.00	-19	-27
08-09-60 581759 2300757 5-73				65,85,92	13			7,365	4.98	367						
592563 RINCONADA TRI-SULTAN IVORY....		1	91	1-93	91	2.6		9,513	5.02	478	19	29	+151	+.02	+9	+12
10-30-60 578810 2211876 5-73					156			8,978	4.97	446						
592580 STARVIEW COMMANDO PATTERN.....	91-11	12	16	8-11,21,	37	1.2		8,400	5.39	453	42	38	-277	+.10	-5	-12
07-17-60 552974 1736805 5-73				31,42,93	19			9,122	5.16	471						
592584 SAYDA POET TRISTRAM.....*	31-02	14	24	3-31,88,	83	2.3		12,031	5.32	640	3	55	+317	+.07	+22	+28
05-25-60 580714 1615896 5-73				93	32			11,708	5.26	616						
592609 ZWALOS OBSERVER SIGNAL.....*		2	16	1-92	18	3.5		12,412	4.77	592	6	29	+625	-.14	+17	+33
02-14-61 553236 2168717 5-73					19			10,392	5.22	542						
592632 WONDER JESTER FILLPAIL SIR....*		2	28	1-93	35	2.8		8,935	4.65	433	14	32	+76	-.03	+1	+3
08-18-60 586649 1951168 5-73					144			8,643	4.94	427						
592661 CROWNS CERES ROYAL.....*		10	13	2-72,74	51	2.0		8,819	4.47	394	18	53	+104	-.12	-6	-2
02-07-60 585431 2172961 5-73					50			8,558	4.70	402						
592684 UTAG TORONO LILA SYMBOL.....		5	11	2-87,93	36	2.4		10,712	4.72	506	10	50	+445	-.14	+9	+21
11-13-60 497574 2038297 5-73					81			9,884	4.97	491						
592718 MARLU ANSOM CHARMER.....*		4	49	3-56,63,	82	3.0		9,926	5.42	538	6	41	-95	+.07	+2	-1
07-19-60 584285 2128382 5-73				74	93			10,265	5.27	541						
592831 SABLES SPOT COMMANDO.....*		1	10	1-34	10	2.8		7,886	5.60	442	14	23	-116	+.06	0	-4
12-14-60 581775 1939599 5-73					19			8,314	5.38	447						
592845 ADVANCER RECORD HUCK OF OZ....*		1	34	1-48	34	3.3		8,678	5.74	498	21	29	-2	+.07	+6	+5
01-14-61 520485 2219153 5-73					10			8,632	5.54	478						
592868 SABLES MICHAEL.....*		1	45	1-31	45	2.7		8,229	4.89	402	10	29	-214	-.01	-12	-16
05-10-60 581775 2059923 5-73					28			8,946	5.00	447						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HO	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS HM/DAU	REC/DAU HEROMATE	MILK MILK	% %	FAT FAT	% INC	1ST REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
592920 CORALAOS SUPREME.....	* 35-21	50	7	8-35,41,	170	2.2	10,308	4.89	504	21	85	+239	-.17	-4	+4
06-04-60 575368 2118782 5-73				42,43,93	17		10,120	5.09	515						
592969 VICTORIOUS ROYALIST GOLDEN....	*	3	8	1-33	16	3.1	7,737	5.05	391	0	37	+34	-.02	0	+1
02-20-61 570643 2017628 5-73					4		7,472	5.14	384						
592997 RADAR BROWNYS DESIGNER.....	*	4	34	1-31	46	3.3	9,065	5.16	468	14	35	+40	+.02	+4	+4
03-11-61 571555 2012509 5-73					13		8,923	5.10	455						
593006 BILTMORE SECRET REGINALO.....	*	6	4	2-55,74	18	3.7	8,864	4.50	399	13	48	+308	-.16	0	+9
12-11-60 497574 2216829 5-73					69		8,107	4.87	395						
593038 LINDAS MARLU OESIGN.....	*	2	10	1-63	15	2.3	7,653	4.63	354	**	30	-285	-.01	-15	-21
05-08-59 568081 2048764 5-73					28		8,536	4.69	400						
593063 SYBIL OWL TORONO.....	*	3	32	2-58,63	47	2.8	8,736	4.73	413	21	36	-97	-.03	-8	-9
11-25-60 497574 1478131 5-73					63		8,983	4.84	435						
593088 MILESTONE COMMANDO LEADER.....	*	5	9	2-55,56	16	3.1	10,369	4.88	506	29	33	+245	-.04	+8	+14
10-31-60 553805 2226827 5-73					22		9,674	5.00	484						
593148 SPARKLE BLONDE SIGNAL SULTAN..	* 35-75	90	16	24-55,56,	286	1.6	9,721	4.96	482	12	83	-49	-.01	-3	-4
01-25-59 506078 1853266 5-73				57,58,93	58		9,846	4.98	490						
593151 ADVANCER DEWDROP PRINCE.....	*	1	20	1-31	20	2.9	8,979	4.98	447	16	26	+53	+.05	+7	+7
09-06-59 488392 1931743 5-73					27		8,726	4.77	416						
593210 ADVANCER SLEEPING TOREADOR....	*	17	24	6-21,31,	75	2.6	10,283	5.03	517	1	54	+333	-.06	+11	+19
07-30-60 534585 2128503 5-73				32,51,55	22		9,712	5.15	500						
593292 R.O.F. DEMPSTER TORONO MARVEL.*	21-10	37	3	5-11,12,	54	2.6	9,037	5.17	467	9	74	-234	+.09	-4	-10
01-13-61 490529 2189897 5-73				13,14,21	22		9,371	5.07	475						
593302 EOGELEA POSING ACME.....		9	30	1-74	102	3.4	8,311	4.72	392	12	58	-194	+.05	-5	-10
04-20-58 DI0126125 D10174207 5-73					65		8,585	4.61	396						
593324 STAROUST ITASKAS MASTERPIECE..	*	4	18	1-93	25	2.4	8,192	5.13	420	14	32	-508	+.05	-21	-33
01-19-61 585423 1564661 5-73					21		9,824	5.00	491						
593327 HEAD MAN.....	*	2	29	1-56	31	2.7	9,122	5.21	475	4	30	-17	.00	-1	-1
01-02-60 508078 2248619 5-73					48		9,183	5.29	486						
593399 KEEPERS CAROLINE BLONDE D S.F.		2	30	1-93	40	1.9	8,775	5.01	440	29	32	-57	+.02	-1	-3
01-06-61 585748 2083441 5-73					156		8,934	4.99	446						
593406 PIXYS IMPERIAL.....	*	11	24	6-31,35,	44	2.3	10,652	4.98	531	24	39	-80	-.04	-8	-9
03-19-60 530104 1968775 5-73				41,42,92	33		11,043	5.12	565						
593417 PIXYS EAGLE COMMANDER.....	*	2	8	2-35,41	10	1.5	9,402	5.35	503	11	22	-368	+.05	-14	-23
01-24-61 581394 2111603 9-72					37		11,290	5.16	582						
593424 DREAMER ADVANCER STANDARD.....	*	8	9	2-91,92	35	2.1	10,275	4.89	502	**	49	+159	-.10	-1	+4
02-02-61 576161 1936612 5-73					20		10,037	5.10	512						
593430 BUCKEYE GROVE GEORGE.....	*	2	26	1-31	28	2.8	9,297	5.24	487	15	28	+2	+.01	+1	+1
11-16-60 554865 1913379 5-73					14		9,300	5.25	488						
593466 CORALAOS SPECIAL MICKY.....		3	21	2-92,93	25	1.4	10,028	5.71	573	**	25	+15	+.09	+9	+8
03-28-61 579323 1888905 5-73					44		10,052	5.41	544						
593560 LIBERATORS ROCKET.....	*	9	1	4-23,42,	11	1.9	7,517	5.27	396	14	40	-251	+.05	-8	-14
03-12-61 585427 2176467 5-73				51,55	14		8,038	5.14	413						
593561 ADVANCER DANDYMAN.....	*	5	13	3-58,63,	25	3.0	8,372	4.99	418	8	39	-158	+.06	-2	-6
05-15-61 553313 2132844 5-73				64	59		8,728	4.84	422						
593574 STANDARD DRACONIS PAT BARON...	*	3	17	1-92	39	1.6	9,621	4.83	465	**	41	+216	-.03	+8	+13
05-28-59 558015 2117080 5-73					16		9,076	4.88	443						
593626 RADAR FAVOR COMMANDO.....	*	2	24	1-74	34	2.6	8,887	4.95	440	11	34	-5	.00	0	0
02-07-59 518988 2175805 5-73					7		8,871	4.96	440						
593630 ALEX IDEAL GENERAL.....	*	5	33	1-21	41	2.5	10,682	5.06	541	13	32	+278	-.02	+12	+18
01-14-61 554822 2058050 5-73					23		9,877	5.15	509						
593648 HEADSPRING FAVORITE.....	* 35-75	30	12	14-56,82,	110	1.6	10,305	4.99	514	16	70	-138	-.03	-10	-12
05-04-61 556096 2178394 5-73				87,92,93	55		10,647	5.04	537						
593691 BABY ACME BELMONT PINN.....	*	4	16	1-34	21	2.8	8,277	4.98	412	14	32	-64	-.05	-8	-8
09-15-60 576272 2110719 5-73					18		8,404	5.20	437						
593730 SABLE HIGH CALIBER.....	*	1	41	1-33	41	2.7	9,294	5.04	468	0	29	+156	-.02	+6	+10
11-16-60 572134 2097395 5-73					21		8,713	5.12	446						
593756 PLAINVIEW GOLDEN ROCKET.....	*	2	9	2-56,63	12	2.3	8,814	5.01	442	**	26	-5	+.01	+1	+1
11-13-60 585428 1988999 5-73					114		8,795	4.96	436						
593778 GOLDEN ETTA M.....	*	2	35	2-31,35	37	2.6	8,239	5.12	420	0	29	-58	+.03	0	-2
12-29-60 555141 2122950 5-73					15		8,325	5.01	417						
593783 ETTA SHINING STAR.....	*	6	33	3-87,92,	42	3.0	10,429	5.24	547	3	34	+96	+.01	+6	+8
06-21-61 555141 2018108 5-73				93	16		10,256	5.24	537						
593789 BILTMORE FAVOR FILLPAIL.....	*	8	6	2-55,74	30	2.4	7,905	4.76	376	31	53	-21	-.03	-4	-4
01-21-61 556096 1740638 5-73					70		7,837	4.83	377						
593799 MARLU ANSOM MANITO.....	*	5	8	2-13,55	25	4.2	8,266	5.11	422	9	49	-264	+.04	-10	-16
12-29-60 584285 2226835 5-73					21		8,759	5.05	442						
593815 WASHINGTON TIGER.....	* 21-10	80	2	9-11,12,	121	1.9	9,731	4.74	461	10	86	+27	-.26	-23	-18
12-14-60 546354 1609141 5-73				13,14,21	20		9,755	5.04	492						
593815 FAVORITE FORESTER.....	* 33-03	175	10	38-14,21,	492	1.4	10,298	4.98	513	14	92	+435	-.06	+16	+26
01-03-61 553813 1682908 5-73				31,41,63	36		9,894	5.05	500						
593820 FAVORITE PHILOSOPHER.....	* 61-02	21	44	8-52,57,	138	2.2	8,925	5.17	461	17	55	-179	+.17	+6	-1
06-01-61 553813 2068714 5-73				58,63,64	55		9,259	4.85	449						
593833 STYLISH MAN LIBERATOR.....	* 21-10	11	2	2-11,12	17	2.9	9,015	5.00	451	8	51	+46	-.02	0	+1
12-31-60 582510 2093213 5-73					22		8,893	5.07	451						
593864 PIXYS BRAMPTON CHAMPION.....		2	19	2-35,41	21	2.1	9,110	5.06	461	7	27	-3	+.01	+1	+1
C1-26-61 520485 2269967 5-73					6		9,115	5.00	456						
593882 BEACON BAS ARCHITECT.....	* 35-05	46	22	9-33,35,	170	2.1	8,579	4.91	421	24	72	-549	-.05	-32	-43
C7-12-60 559928 1872564 5-73				41,42,74	40		9,358	5.00	468						
593883 S.S. QUICKSILVER OF FALLNEVA..	93-19	83	39	22-42,55,	587	1.6	11,462	5.10	584	10	84	+725	+.18	+54	+66
08-25-60 553236 2166445 5-73				88,91,93	57		10,752	4.90	527						
593920 FAIR-WEATHER MISSILE.....	*	21	12	8-13,21,	73	2.7	8,765	5.27	462	18	65	-57	+.03	0	-2
C9-20-60 584611 2245930 5-73				33,35,55	75		8,815	5.27	465						
593974 JESTER ETTA STAR.....	*	10	10	9-16,35,	30	2.8	8,718	5.28	460	20	47	-341	+.10	-8	-17
07-13-61 555141 1634414 5-73				43,48,85	17		9,472	5.08	481						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS REC/DAU HM/DAU	HERDMATE	MILK	% FAT	FAT	1ST REPT INC	%	PREDICTED DIFFERENCES MILK	% FAT	$$
593999 IDLEMERE CERES JUDE.....*		1	21	1-93	21	1.4	8,518	5.14	438	0	23	-295	+.04	-11 -18
09-11-60 583519 2204159 5-73					78		9,874	5.01	495					
594023 SPARKLING LAVENDER GAY AIM....*		4	5	1-43	13	1.9	8,477	4.86	412	0	34	+5	-.04	-3 -2
05-01-61 526611 1957633 5-73					20		8,380	5.01	420					
594030 VICTORY BASIL ADVANCER.....*		8	10	2-74,85	24	2.1	11,726	5.40	633	12	39	+65	+.02	+5 +6
01-02-61 497355 2147715 5-73					24		11,823	5.40	638					
594043 POLLED GOLDEN STANDARD.....*		1	22	1-74	22	3.1	9,292	4.58	426	0	28	+131	-.03	+4 +7
08-25-51 577058 1942836 5-73					28		8,777	4.65	408					
594118 LA PINE BASIL RADAR.....		1	24	1-92	24	2.5	8,345	4.96	414	29	27	-379	-.04	-22 -30
01-27-61 580308 2192128 5-73					17		9,833	5.13	504					
594157 CALIFORNIA PRESTO FLANDERS....		1	53	1-93	53	1.6	11,881	5.40	642	**	27	+81	+.05	+9 +10
03-27-61 534273 2194505 5-73					90		11,840	5.26	623					
594192 MILESTONE LARKSPUR PATTERN....*		6	41	2-55,56	52	3.5	10,947	5.10	558	8	35	+126	-.02	+4 +7
01-24-61 553805 2128379 5-73					78		10,741	5.20	558					
594212 JESTER BEACON RADAR.....		1	48	1-93	48	1.6	8,536	5.10	435	24	25	-137	+.02	-5 -8
03-10-61 582507 2296863 5-73					159		9,067	5.04	457					
594218 MARLU MILESTONE CHAMPION.....*		13	25	5-32,42,	69	2.4	8,837	5.02	442	14	49	+100	-.04	+1 +4
02-25-61 553805 2359069 5-73				43,73,74	23		8,539	5.12	437					
594245 MOHAWK ETTA STAR.....*		5	65	3-82,87,	92	3.0	10,618	4.54	482	6	38	+36	-.03	-1 0
09-30-60 555141 2302469 5-73				92	27		10,669	4.61	492					
594275 MILESTONE ANSOM SLEEPER.....*		3	7	1-52	21	2.9	7,903	5.10	403	12	44	-170	-.03	-11 -14
08-28-60 584285 2299111 5-73					25		8,191	5.21	427					
594299 MARLU WONDERFUL MILESTONE.....*		7	46	3-42,55,	81	3.1	9,038	5.30	479	4	43	+22	+.03	+4 +4
12-29-60 553805 1821569 5-73				57	47		8,964	5.27	472					
594345 OORBROOKS MILKMAID RING MAN...*	91-01	15	3	2-91,92	24	2.8	9,912	5.31	526	12	58	-162	+.12	+3 -2
05-10-61 583702 2327135 5-73					24		10,302	5.12	527					
594348 COMMANOO NOBLE FAVORITE.....*		1	43	1-65	43	2.1	8,444	5.12	432	**	28	-386	+.04	-16 -25
09-10-61 552974 2081975 5-73					37		9,901	5.00	495					
594412 IMP. ITASKAS FILLPAIL ROYAL...*		18	2	9-15,31,	28	1.8	7,778	5.04	392	17	59	-581	-.04	-32 -44
07-25-58 596501 010057693 5-73				42,43,48	20		8,712	5.12	446					
594425 WASHINGTON SECRET GALAHAD.....*		5	12	2-13,14	22	2.7	10,563	5.04	532	23	36	-37	-.08	-9 -9
01-17-61 546354 2105810 5-73					76		10,831	5.27	571					
594455 JESTER BEACON LAD.....*	23-13	26	6	2-22,23	75	2.8	9,010	5.39	486	7	75	-84	+.24	+18 +12
03-09-61 531342 1799259 5-73					17		9,115	5.08	463					
594458 MISTY VALE CIPHEN LAD.....*		2	35	1-21	37	2.7	9,674	4.56	441	14	30	+193	-.11	-1 +5
10-28-61 585348 2303578 5-73					18		9,000	4.97	447					
594603 STYLIST MILESTONE.....*		21	11	5-11,12,	50	2.1	10,015	4.63	464	8	56	-82	-.13	-16 -16
06-02-61 589136 2195916 5-73				13,14,55	38		10,269	4.86	499					
594664 COMMANOO MILADY SUPREME.....*	33-03	103	4	31-13,21,	223	1.4	9,817	4.69	460	16	89	+369	-.28	-8 +5
03-24-61 568339 1914089 1-73				48,61,82	24		9,425	5.01	472					
594674 SABLES BEAUTY MODEL.....*		4	27	1-48	57	2.6	9,056	5.40	489	20	44	-105	+.01	-4 -6
06-05-61 497355 1747517 5-73					11		9,308	5.41	504					
594676 THE TRADEMARKS SUCCESSOR.....*	61-02	30	6	5-31,32,	87	2.5	8,208	5.32	437	13	77	-81	+.12	+7 +3
06-14-61 585350 2285621 5-73				34,51,74	14		8,216	5.16	424					
594715 SPORTING FARMER.....		2	17	2-32,92	19	1.6	9,440	5.57	526	13	25	+125	+.02	+8 +10
07-24-61 530454 1610435 5-73					25		8,900	5.61	499					
594724 ALL-STAR.....*		6	13	2-61,64	35	2.4	8,615	4.90	422	6	46	-122	+.06	-1 -5
07-01-61 555141 1578755 5-73					86		8,844	4.78	423					
594728 BILTMORE PINN CITATION.....*		7	2	3-55,57,	12	2.7	8,335	4.60	383	25	41	+126	-.09	-2 +2
06-21-61 549122 2169177 5-73				74	58		7,897	4.85	383					
594737 LEADER BELLES STANDARD.....*		4	12	1-72	21	2.2	7,509	4.86	365	9	35	+69	+.04	+7 +8
01-13-61 557370 2274581 5-73					24		7,099	4.69	333					
594758 JEANIES DESIGN.....*		13	3	8-13,21,	23	1.4	8,566	4.81	412	27	50	-287	-.05	-19 -24
12-14-60 585755 2181569 5-73				31,56,74	23		9,137	4.95	452					
594788 MADALENES GOLDEN STAR.....*		4	22	2-13,14	29	3.5	9,017	5.73	517	22	34	-105	+.13	+7 +3
09-09-61 555141 1995650 5-73					41		9,348	5.34	499					
594799 HATFIELD GOLDEN GOLDEN.....*	34-01	11	6	2-14,34	28	3.1	9,231	5.09	470	11	55	+217	-.08	+3 +9
01-15-61 555303 1848716 5-73					26		8,792	5.30	466					
594815 O-AT-KA JUNES SUPER8.....*		7	21	1-21	42	3.1	10,001	5.16	516	5	42	+125	+.03	+9 +11
10-10-61 553904 2147771 5-73					21		9,763	5.12	500					
594836 IMP. THE MOUNTS ORANGE SOUVENI*		4	3	1-87	10	2.7	7,740	5.09	394	**	35	-323	+.06	-11 -19
08-04-60 601173 010069588 5-73					21		8,613	4.95	426					
594846 JANICES GOLDEN STAR.....*	61-01	39	3	11-11,21,	68	3.1	9,108	4.93	449	11	79	+246	-.09	+4 +11
09-25-61 565141 2108217 5-73				31,32,61	22		8,753	5.05	442					
594873 FILLPAIL MILESTONE GOLDEN.....*		2	28	1-56	30	3.0	8,569	5.32	456	0	29	-253	+.02	-11 -17
09-03-61 584562 2258544 5-73					46		9,464	5.28	500					
594897 B J A PAR EXCELLENCE.....*		15	2	3-21,23,	21	2.4	9,086	4.93	448	13	55	+34	-.06	-4 -2
01-21-61 528332 1764752 5-73				55	27		9,005	5.06	456					
594901 JESTER KATE BASIL.....*		5	3	3-32,55,	10	3.1	9,056	4.75	430	14	36	+158	-.09	-1 +4
01-20-60 531342 1893865 5-73				85	34		8,549	5.08	434					
594903 BANNERS MILESTONE DREAM.....*		4	30	3-32,61,	36	1.9	7,625	5.47	417	7	29	-149	+.03	-5 -9
08-22-61 588733 1608253 5-73				74	13		8,019	5.42	435					
594905 ADVANCER SLEEPING MASTERMAN...*		8	6	2-42,47	16	3.1	7,426	5.10	379	7	41	-488	+.03	-22 -33
10-29-61 534585 1983665 5-73					13		8,553	5.05	432					
594969 SPARKLE SUPERB SHERWIN.....*	21-10	79	3	11-11,12,	133	2.6	9,007	5.08	458	25	88	-433	+.05	-17 -27
12-12-61 556264 1786161 5-73				13,14,21	21		9,535	5.04	481					
595030 GOLD RING NOBLE.....*		7	20	2-55,56	54	2.4	8,962	5.19	465	12	48	+67	+.12	+14 +14
10-25-61 564209 2137341 5-73					135		8,780	4.94	434					
595053 BRAMPTON CONSTANT ACME.....*		3	34	1-14	55	2.2	7,624	5.23	399	23	37	-539	+.01	-26 -38
09-25-60 010121022 010233589 5-73					7		9,062	5.22	473					
595093 OBSERVER FLOSSY EAGLE.....*	21-10	28	2	4-11,13,	35	2.7	10,352	4.69	486	18	68	+371	-.19	0 +11
09-13-61 553236 2214615 5-73				21,56	25		9,876	4.95	489					
595116 LIBERATORS STANDARD JESTER....*		5	16	5-31,32,	35	2.4	9,599	4.95	475	8	42	+281	+.01	+15 +21
07-01-61 564125 2050163 5-73				34,41,42	22		8,900	4.92	438					

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS REC/DAU HM/DAU	HEROMATE	MILK	% FAT	FAT	% 1ST INC	REPT %	PREDICTED DIFFERENCES MILK	% FAT	$$
595165 NATALIES BEACON STANDARD.....*		9	4	3-56,63,	18	2.5	7,473	5.11	382	21	45	-454	+.05	-18 -29
11-25-51 580311 2131277 5-73				65	23		8,413	5.02	422					
595170 NATIONAL ANTHEM.....*		11	30	7-16,31,	68	3.0	10,264	4.70	482	9	48	+167	-.05	+4 +8
C3-16-61 557839 1726392 5-73				35,41,87	18		9,995	4.76	476					
595173 OESIGNS ROYAL REVIVER.....*		4	32	3-31,34,	39	3.0	7,133	5.22	372	8	34	-319	+.02	-14 -21
08-21-51 530454 2367334 5-73				55	9		7,964	5.16	411					
595189 LEADER DRACONIS EMBLEM.....		3	15	1-43	24	2.7	8,015	5.13	411	**	35	-176	+.10	D -5
12-06-51 557370 2295694 5-73					15		8,439	4.81	406					
595192 RADARS FAVORITE STAN.....		1	35	1-63	35	2.7	8,391	5.28	443	30	28	-227	+.06	-6 -12
C3-04-51 559045 2122843 5-73					42		9,204	5.08	468					
595224 RALEIGH DALE.....*		7	13	3-42,57,	23	2.8	8,812	5.24	462	5	37	-32	+.01	-1 -2
06-24-61 578536 1680277 5-73				91	49		8,870	5.29	469					
595235 LEONORAS STAR KING.....*		3	21	1-93	25	2.7	8,687	5.17	449	**	30	-201	+.06	-5 -10
08-18-51 583235 1913628 5-73					34		9,374	5.01	470					
595253 MARLU MILESTONE STYLIST.....*		14	51	5-31,34,	86	2.4	10,043	5.26	528	11	40	+41	-.02	D +1
C7-03-61 569136 2187382 5-73				91,92,93	24		10,024	5.36	537					
595256 MARLU ADVANCER MILAO.....*		3	14	3-55,57,	19	3.3	8,667	4.83	419	6	32	-90	-.03	-7 -8
11-15-61 589069 1826073 5-73				63	28		8,924	4.96	443					
595265 PIXYS KELLY.....*	31-02	33	34	17-23,61,	155	1.7	10,261	4.65	477	7	61	+422	-.15	+7 +19
01-18-52 520485 2269967 5-73				63,64,72	69		9,604	4.85	466					
595296 PIXYS TRISTRAM TREVOR.....		1	24	1-35	24	2.2	10,046	5.01	503	33	26	+124	+.02	+8 +10
C8-31-51 530104 2269960 5-73					6		9,611	4.95	476					
595304 DANDY ADVANCER SILKY OE SHANE.*		5	3	3-31,74,	10	1.3	9,404	5.48	515	0	29	-154	+.11	+2 -3
11-11-59 553106 2106544 5-73				92	17		10,014	5.12	513					
595354 LEADERS OXFORD DREAMER.....*	72-01	14	88	2-65,72	159	2.2	8,991	4.64	417	9	42	-62	.00	-3 -4
09-28-51 557370 2125841 5-73					72		9,132	4.63	423					
595394 SLEEPING STAR.....*		9	2	3-35,41,	12	2.3	8,379	4.99	418	20	42	+18	+.01	+2 +2
01-06-62 534585 2370078 5-73				42	11		8,240	4.95	408					
595402 MISTER RADAR BEACON.....*		2	6	1-74	10	2.5	7,233	4.73	342	0	28	-175	+.01	-8 -12
11-14-61 549122 2292882 1-73					26		7,717	4.73	365					
595406 BAS AIM ORCHID JESTER.....*	33-03	29	15	13-61,63,	105	2.1	9,764	5.02	490	15	68	-701	+.08	-28 -44
12-07-61 542372 2159516 5-73				64,74,93	34		10,968	4.93	541					
595439 HEADSPRING RECORD MATADOR.....*		4	80	1-56	98	2.3	9,452	5.29	500	19	33	-43	+.01	-1 -2
C8-01-61 520485 1931028 5-73					46		9,628	5.33	513					
595472 ITASKAS RULING DESIGNER.....*		2	17	2-33,82	19	2.3	6,703	5.06	339	11	27	-218	+.02	-9 -14
10-16-61 551485 2263849 5-73					23		7,339	5.01	368					
595480 WONDERFUL ETTA COMMANDO.....*		2	7	1-41	11	2.8	9,289	5.04	468	13	30	+87	-.03	+2 +4
C7-29-61 590777 2034336 5-73					13		8,977	5.14	461					
595483 TRISTRAM BARONET REFSKIL.....*		5	19	3-91,92,	51	3.0	11,013	4.77	525	9	50	+338	-.09	+8 +17
C4-07-59 555157 1894565 5-73				93	12		10,458	4.92	515					
595497 GLENDOWAN WHOOPS RADAR.....*		1	25	1-92	25	2.3	7,599	5.41	411	**	27	-243	.00	-12 -17
02-15-60 010124107 010276066 5-73					20		8,434	5.43	458					
595499 JEWELERS TRISTRAM.....*		2	13	1-57	15	1.9	8,333	5.24	437	**	25	-30	-.01	-2 -3
C1-21-52 525627 1912148 5-73					61		8,376	5.37	450					
595500 GLENDOWAN MOLLYS BIJOU.....*		1	17	1-92	17	2.6	6,478	5.14	333	11	25	-278	+.01	-13 -19
11-17-59 010124107 010269832 5-73					15		7,397	5.14	380					
595507 RING MAN PREMIER.....*		1	21	1-13	21	2.7	8,432	5.40	455	6	27	-220	+.04	-7 -12
11-19-51 591619 1892581 5-73					39		9,255	5.25	486					
595519 SUPREME ADVANCER BARREO.....*		5	28	1-91	40	1.9	9,573	5.42	519	36	33	-162	+.08	-1 -6
C1-12-61 580703 2210279 5-73					24		10,170	5.22	531					
595550 MARLU MILESTONE STARDOM.....*	31-07	190	17	20-31,33,	779	1.9	9,313	5.01	467	14	93	+230	+.07	+18 +22
05-03-51 563805 1726397 5-73				61,65,74	21		9,052	4.94	447					
595552 ADVANCER BOMBSIGHTS PRINCE.....*		4	3	3-56,63,	11	1.3	9,573	4.90	469	**	31	+75	-.03	+1 +3
04-04-61 534585 2152920 5-73				65	53		9,345	5.00	467					
595574 GRANDVIEW FASHION LEADER REPEA*		1	24	1-91	24	2.6	10,045	5.01	503	23	27	-35	-.01	-3 -4
02-16-52 557370 1774293 5-73					16		10,289	5.11	526					
595590 HILL-O-OAK MAJESTY SILVER.....*		1	21	1-74	21	2.6	9,607	4.55	437	13	26	-14	+.01	D C
11-08-61 560510 2294554 5-73					27		9,715	4.50	437					
595612 DORBROOKS VOLUNTEERESS RING MA*		6	32	2-42,51	72	2.8	7,886	5.53	436	9	47	-268	+.08	-6 -13
11-05-61 560702 1997134 5-73					14		8,379	5.38	451					
595617 ELSIES RECORD PRINCE.....*		5	4	2-55,56	15	1.7	9,585	5.32	510	**	38	-115	+.05	-1 -4
C8-25-51 583781 2253872 5-73					80		9,970	5.24	522					
595625 NOBLE SLEEPING IRA.....*		3	6	1-65	14	1.1	7,705	4.71	363	**	29	-283	+.01	-13 -19
09-02-61 587896 2031800 5-73					28		8,645	4.71	407					
595639 SMOKEY HILL ABBYS MILKMAN.....*		2	15	1-23	17	2.9	10,100	5.02	507	24	28	+6	+.01	+1 +1
12-22-51 550331 2357670 5-73					16		10,176	5.00	509					
595641 PATIENCE BAS MILKMAN.....*	93-19	5	11	2-52,74	36	1.7	9,966	5.06	504	15	47	+74	-.02	+2 +4
12-19-51 550331 2231590 5-73					32		9,874	5.10	504					
595651 CHAMPIONS NEW YORK ENVOY.....*	21-01	21	2	4-21,84,	32	3.0	9,742	5.02	489	15	65	+37	+.02	+4 +4
C7-07-61 519828 1965832 5-73				92,93	25		9,739	4.99	486					
595658 RAINTREES CITATION.....*		8	2	4-31,32,	10	2.8	8,936	5.15	460	0	39	+128	+.02	+8 +10
11-01-60 577505 2212103 1-73				33,58	10		8,543	5.12	437					
595680 HEADSPRING RECORD MAJESTY.....		1	29	1-56	29	2.1	8,144	4.57	372	15	27	-87	-.06	-10 -11
C6-28-61 520485 2211471 5-73					2		8,396	4.85	407					
595730 MARLU MILESTONE RECOROS.....*		5	4	2-47,48	15	1.7	8,814	4.79	422	**	37	+172	-.10	-1 +4
C7-23-51 563805 1631363 5-73					11		8,260	5.13	424					
595732 ETTAS B.J.A. GOLD BONO.....*		2	10	1-32	12	1.8	7,830	5.38	421	33	24	-156	+.06	-2 -6
C9-07-51 528332 2181811 5-73					24		8,420	5.10	429					
595738 TRISTRAM BELMONT B P.....*		1	33	1-64	33	2.6	7,350	4.87	358	0	28	-145	+.04	-4 -8
10-01-61 472114 2328632 5-73					20		7,717	4.74	366					
595749 BELSILUA RIGHTFUL ROYAL.....*		4	14	2-42,57	19	1.2	6,922	5.04	349	**	26	-244	+.01	-11 -16
03-26-61 557172 2190326 1-73					27		7,727	5.01	387					
595776 SIR LORD TRISTRAM.....		1	15	1-93	15	1.1	9,425	5.01	472	**	20	-126	-.03	-9 -11
C3-10-52 555217 1669729 5-73					4		10,147	5.21	529					

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HO	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS HM/DAU	REC/DAU HEROMATE	MILK	% FAT	FAT	% 1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
595791 FAVORITE SECRET STORM.....		2	7	1-52	10	2.4	8,579	4.93	423	13	27	-19	-.02	-3	-3
11-20-61 563813 2023234 1-73					10		8,593	5.06	435						
595792 FAVORITE EAGLE VOL. 80Y.....*		6	24	1-21	67	3.2	9,970	4.92	491	14	53	+435	-.10	+12	+23
12-09-61 563813 2151753 5-73					39		9,142	5.14	470						
595805 RALEIGH GOLD.....*		2	11	1-57	13	2.5	7,543	5.59	422	10	26	-277	+.08	-7	-14
11-13-61 578536 1739948 5-73					57		8,572	5.26	451						
595807 EASTGLEN DREAM COUNT.....*		12	6	2-13,21	45	2.4	9,329	4.65	434	15	63	-79	-.17	-19	-18
10-15-61 570683 1933116 5-73					21		9,485	4.91	466						
595814 TULIPS CAROM BEACON.....*		2	8	1-74	15	2.7	8,606	4.72	406	42	33	+21	+.03	+4	+4
08-15-61 010121754 1696184 5-73					26		8,468	4.58	388						
595904 BROWNYS DREAMER.....*		2	9	1-63	11	2.6	8,008	4.96	397	10	26	-75	+.04	0	-2
09-16-61 550331 1690964 5-73					10		8,201	4.82	395						
595944 COMMANDO MARLU VOLUNTEER.....*		6	6	3-86,91,	24	3.2	10,035	5.13	515	**	50	+201	+.10	+19	+22
02-12-62 550331 2369918 5-73				92	41		9,682	4.95	479						
595961 VOLUNTEER PIONEER LADDIE.....*		6	41	2-92,93	68	1.2	10,307	5.60	577	**	34	+131	+.11	+17	+18
11-04-57 496820 2048479 5-73					29		10,003	5.36	536						
595975 TEFFIA AIM ANDY.....		2	21	2-41,85	23	2.5	7,410	5.06	375	20	28	-271	+.05	-9	-16
01-30-62 534381 2409630 5-73					6		8,297	4.87	404						
596059 ETTA COMMANDO PLAYBOY.....		2	36	1-73	72	2.0	8,167	4.84	395	34	42	+21	-.07	-5	-3
08-24-61 556092 1911977 5-73					49		7,995	5.04	403						
596065 HEADSPRING SPARKLING PIONEER..*		1	57	1-74	57	1.8	9,094	4.71	428	5	28	+15	-.01	0	0
10-20-61 538078 1907450 5-73					77		9,023	4.70	424						
596110 MARLU MILADY STYLEMASTER.....*	23-11	37	13	4-21,22,	146	2.7	9,263	4.84	448	6	78	+8	-.19	-17	-14
10-01-61 589136 2092100 5-73				23,93	17		9,259	5.11	473						
596251 MARLU COMMANDO MILAO.....*		8	23	6-22,23,	35	2.5	8,607	5.58	480	7	36	-329	+.11	-7	-16
01-31-62 589069 2226835 5-73				52,55,56	32		9,559	5.31	508						
596262 MASTERMAN ETTA POLISH.....*	35-21	8	35	4-35,41,	60	2.2	9,908	5.23	518	23	39	+144	+.04	+11	+13
09-04-61 584799 2090429 5-73				48,84	24		9,579	5.15	493						
596270 PIXYS TRISTRAM BRENT.....		1	11	1-35	11	1.0	8,489	5.04	428	**	18	+111	-.01	+5	+7
06-18-62 530104 2178935 5-73					5		7,733	5.10	394						
596271 BELMONT POMPOUS NOBLE.....*		10	3	3-21,33,	19	2.3	7,908	5.18	410	23	49	-566	+.03	-26	-38
08-25-61 581144 2326250 5-73				42	21		7,999	5.15	467						
596272 JESTING VALIANT.....*		8	17	5-12,31,	45	2.2	9,896	5.24	519	13	46	-79	+.05	+1	-2
08-25-61 552439 2384526 5-73				33,42,61	18		10,164	5.15	523						
596343 ULTROYAL WINSOME PREMIER.....*		2	16	1-13	18	2.6	7,324	5.15	377	27	27	-349	+.05	-13	-21
09-07-61 588334 2038684 5-73					13		8,542	4.99	426						
596344 ULTROYAL FILLPAIL LAD.....*		1	11	1-31	11	3.3	6,092	5.20	317	0	25	-498	+.03	-22	-33
01-12-62 592162 2332554 5-73					15		7,999	5.08	406						
596438 MARKSMAN MONITOR.....*		4	25	2-23,52	42	2.8	9,733	5.14	500	16	39	+108	-.03	+3	+6
08-05-61 576127 2164965 5-73					19		9,483	5.22	495						
596503 IMP. ITASKAS FILLPAIL DAZZLER.*		17	6	12-15,21,	42	2.8	9,077	5.56	505	13	62	-446	+.25	0	-14
09-23-59 010009042 2555788 5-73				23,48,87	18		9,866	5.17	510						
596519 IMP. THANKFUL SURPRISE FILLPAI*		4	43	1-64	109	2.0	8,738	4.72	412	7	49	-172	-.03	-11	-14
08-09-61 594412 010061024 5-73					81		9,084	4.78	434						
596568 STYLIST MILESTONE FAVORITE....*		1	10	1-33	10	2.7	9,545	5.46	521	22	22	-23	+.06	+4	+3
06-20-61 589136 2341882 5-73					15		9,700	5.24	508						
596582 JESTER LUCKY BASILEUS.....*		3	12	1-31	16	2.7	8,257	5.14	424	8	29	-153	-.03	-10	-13
10-16-61 542372 2099148 5-73					21		8,742	5.28	462						
596615 HUTCHINSON FARM WIN.....*	21-10	28	3	5-11,13,	58	2.9	8,680	5.03	437	18	75	-517	-.08	-33	-43
12-01-61 570723 1989133 5-73				14,16,55	17		9,387	5.17	485						
596786 PAN AMERICAN MIKE.....*	33-03	113	5	32-13,32,	279	1.5	8,943	5.08	454	21	91	-405	+.02	-18	-27
10-07-61 568645 2017445 5-73				34,64,93	24		9,412	5.07	477						
596832 OBSERVER CHOCOLATE SOLDIER....*	21-10	23	3	7-11,12,	34	2.4	11,034	4.79	529	3	64	+702	-.17	+18	+36
04-10-62 553236 2095421 5-73				13,14,21	29		10,019	5.05	506						
596867 MILKMANS COMMANDO B. OF SEYMOU*		1	11	1-13	11	2.0	8,424	5.27	444	29	22	-46	-.01	-3	-4
03-06-62 550331 2137726 5-73					18		8,576	5.42	465						
596887 ETTAS ADVANCER COMBINATION....*		3	27	2-23,31	31	2.9	7,858	5.17	406	4	31	-143	-.03	-10	-13
10-01-61 573454 2039318 5-73					24		8,227	5.32	438						
596955 BUCCANEER GOLD MAJESTY.....*		4	36	2-14,21	42	2.4	9,436	4.82	455	15	31	+179	-.08	+1	+6
03-03-62 570683 2065526 5-73					10		8,821	5.11	451						
596957 HEADSPRING FIRST-MILESTONE....*		2	18	2-56,63	20	3.1	11,081	5.04	559	0	29	+122	-.02	+4	+7
12-14-62 553805 2207821 5-73					133		10,824	5.14	556						
596963 RATHERWYCK JESTER JOHN.....*		5	19	3-11,12,	39	3.0	9,602	4.76	457	13	42	+167	-.13	-4	+2
02-19-62 583427 2328092 5-73				56	15		9,209	5.09	469						
596966 BEAUTYS ADVANCER PRINCE.....*		7	2	5-31,55,	10	2.6	6,920	4.99	345	0	38	-543	.00	-27	-39
04-14-62 553149 2062890 1-73				56,57,74	36		8,279	5.01	415						
596969 GOLDEN ETTA TORCH.....*		5	5	2-43,74	14	1.4	9,196	4.90	451	8	34	-125	.00	-6	-9
11-14-61 584799 2135418 5-73					47		9,607	4.93	474						
597006 EDEN VALLEY BASILEUS.....*		4	14	2-33,45	19	3.5	10,579	5.16	546	6	32	+329	+.01	+17	+24
07-04-61 584735 2155726 5-73					21		9,603	5.17	496						
597049 BRATTLE BROOK DREAMING DESIGN.*		4	11	1-14	16	2.8	9,068	5.62	510	15	32	+9	+.11	+11	+9
08-05-62 552844 2175008 5-73					10		9,020	5.28	476						
597081 GOLDEN ETTA GUS.....*		5	3	4-31,35,	13	2.1	7,568	5.09	385	29	38	-381	+.07	-13	-22
05-09-61 565141 2122241 5-73				56,58	61		8,519	4.91	418						
597097 MARLU MILAO MODEL.....*	34-01	60	7	9-23,32,	181	1.9	6,598	4.99	429	28	86	-215	-.10	-20	-23
12-15-61 589069 2195900 5-73				34,42,50	19		8,811	5.14	453						
597102 BURCHFIELD MARIGOLDS RECORD...*		2	13	1-65	15	3.6	7,400	5.18	383	0	29	-186	+.05	-5	-10
10-10-61 571246 2214220 5-73					26		7,920	5.04	399						
597111 MIGHTY JACK COMMANDO.....		1	15	1-31	15	3.2	10,349	5.01	519	**	26	+150	.00	+7	+10
03-28-58 556092 1878637 5-73					18		9,826	5.03	494						
597122 BRAMPTON BASILEUS EUREKA.....*		2	25	2-73,85	27	2.8	7,561	5.04	381	12	29	-404	+.01	-19	-28
06-03-61 591757 010248713 5-73					48		8,948	5.04	451						
597127 KITTYS OLYMPIC CHALLENGER.....*		4	5	3-13,23,	14	3.3	9,076	5.32	483	31	38	-205	+.05	-8	-11
12-29-61 580997 2050136 5-73				55	28		9,665	5.25	507						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HO	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS HM/DAU	REC/DAU HERDMATE	MILK	% FAT	FAT	% 1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
597224 MARLU ANSOM B.....*		5	34	3-23,51,	51	2.8	8,703	5.07	441	15	37	-387	+.03	-17	-26
02-22-52 584285 2187377 5-73				52	36		9,799	5.02	492						
597225 MARLU MILESTONE BEAU.....*		6	26	3-31,41,	37	2.6	10,734	4.90	526	18	34	+217	-.09	+2	+8
03-25-52 553805 1859423 5-73				42	13		10,200	5.16	526						
597262 JESTER DRACONIS DESIGNER.....*		8	2	2-65,74	11	2.4	7,861	4.72	371	17	39	-243	-.01	-13	-18
03-17-52 554357 2036463 9-72					19		8,404	4.77	401						
597314 COMMANDO TRISTRAM NEWFLICK....*		4	17	1-92	22	2.8	10,893	5.02	547	19	32	-36	-.08	-9	-8
04-12-62 550331 1802376 5-73					8		11,209	5.28	592						
597332 JESTER BASIL JULIAN.....*		9	2	7-15,23,	13	1.6	8,552	5.58	477	0	42	+54	+.20	+21	+19
09-11-62 531342 2314121 5-73				48,51,64	17		8,336	5.07	423						
597336 RADAR WALLFLOWER.....*		9	21	4-21,23,	39	1.2	8,340	4.88	407	**	34	-217	-.05	-15	-19
10-23-61 570695 2315414 5-73				32,56	32		8,949	5.06	453						
597356 GOLDEN ETTA PRIZE.....		2	47	2-33,43	49	3.2	7,938	4.94	392	2	31	+93	-.04	+1	+4
06-10-62 555141 2069742 5-73					7		7,468	5.09	380						
597357 STAR SLEEPER KING.....*		6	7	2-31,61	16	2.3	7,624	5.01	382	25	36	-267	-.05	-18	-23
06-28-62 591239 2365309 5-73					12		8,280	5.21	431						
597358 GOLDEN ETTA COMMAND.....*		3	4	1-31	11	1.0	8,102	4.88	395	17	27	-321	-.03	-19	-25
07-09-62 555141 2092112 5-73					14		9,314	5.07	472						
597361 FAVOR COMMANDO FERN DESIGN....*		1	16	1-74	16	3.0	7,244	5.09	369	13	26	-191	+.07	-3	-8
02-24-62 556096 1945164 5-73					22		7,842	4.82	378						
597409 WONDERFUL JESTER COMBINATION..*		5	5	2-61,63	12	2.2	6,615	4.73	313	20	34	-174	-.06	-14	-17
07-19-61 573454 2194829 5-73					28		6,905	5.04	348						
597420 DANDY GOLDEN PRINCE.....*		2	9	1-74	12	2.4	8,580	4.49	385	0	27	-16	-.01	-2	-2
02-10-62 551037 2052994 5-73					65		8,581	4.53	389						
597432 ROYAL PEGGYS RECORD.....*	21-10	25	2	8-11,12,	39	2.6	7,638	5.64	431	27	69	-958	+.36	-18	-44
04-10-62 520485 1740703 5-73				13,21,23	27		9,008	5.08	458						
597464 STAR CHARGER.....*		4	9	1-42	14	2.5	8,047	4.92	396	14	31	+89	-.04	+1	+4
07-06-62 592054 2384547 5-73					47		7,602	5.06	385						
597550 FILLPAIL DREAMING JOE.....*		1	19	1-23	19	4.1	10,263	4.59	471	0	29	+168	-.11	-2	+3
11-08-61 576288 2216902 5-73					43		9,727	5.00	486						
597557 MILESTONE BEACON PROSPECTOR...*	23-13	2	8	1-21	12	2.1	9,534	4.74	452	36	28	+186	-.08	+2	+7
02-16-62 553805 2190641 1-73					10		8,835	5.01	443						
597559 MAYFIELD MILESTONE ODTTRINA...*		2	21	2-23,63	23	2.0	8,561	5.03	431	38	27	-195	+.03	-7	-12
02-26-52 553805 1872584 5-73					17		9,312	4.94	460						
597561 MILESTONE GINGER BASIL.....*		7	6	4-33,57,	26	1.0	9,087	5.17	470	**	42	+255	+.01	+14	+19
05-11-62 553805 2053061 5-73				61,63	41		8,406	5.16	434						
597562 CRITERION.....*	33-03	124	5	32-13,14,	269	1.2	9,489	4.74	450	16	90	+107	-.21	-14	-8
06-15-52 553805 2147381 1-73				23,43,73	26		9,389	4.98	468						
597563 MILESTONE BEACON EMPIRE.....*		1	17	1-71	17	1.8	7,811	4.74	370	11	24	-31	+.02	0	-1
06-21-62 553805 2211849 5-73					13		7,805	4.65	363						
597564 MILESTONE MIRACLE.....*	31-02	21	42	6-31,43,	89	2.2	10,199	4.88	498	15	44	+236	-.04	+8	+14
08-05-52 553805 2038737 5-73				55,56,63	17		9,718	4.97	483						
597583 DAYPECK LORETTAS ROYAL.....*		5	34	1-43	65	2.1	9,474	4.95	469	10	41	+14	-.01	0	0
03-15-62 587548 2274550 5-73					34		9,467	5.01	474						
597612 STAR COMMANDO.....*		18	6	11-15,21,	33	2.6	8,726	5.24	457	11	56	-451	+.02	-21	-31
09-21-62 556092 1578755 5-73				31,42,51	21		9,566	5.24	501						
597613 GOLDEN ETTA SPIKE.....*		2	72	2-57,64	74	2.9	8,136	4.93	401	10	31	+94	-.01	+4	+6
10-09-62 555141 2107000 5-73					22		7,682	4.96	381						
597639 MARLU MODEL MILAO.....*		11	10	6-33,56,	42	1.8	9,151	4.74	434	18	52	+72	-.04	0	+2
04-15-52 589069 2341898 5-73				63,65,72	63		8,991	4.83	434						
597642 TENN MAY F O E LAO.....		1	59	1-63	59	3.0	9,725	5.14	500	16	30	-31	+.02	0	-1
04-12-62 553955 2098185 5-73					18		9,901	5.08	503						
597649 FAVORITE KARMA AIM.....		2	10	1-42	12	3.1	7,089	5.21	369	36	26	-78	+.04	0	-2
02-17-52 574796 1892807 5-73					10		7,198	5.03	362						
597655 PRINCESS MAIOS MIKE.....*		1	21	1-74	21	1.0	8,570	5.27	452	**	21	-152	+.04	-4	-8
09-04-62 590966 2172309 5-73					35		9,309	5.15	479						
597663 GOLD SYBIL PRINCE.....		2	18	2-12,21	20	1.0	11,276	5.00	564	**	22	-11	.00	-1	-1
08-07-62 539013 2261899 5-73					75		11,568	5.05	584						
597687 DRESTIMBA JACK.....		1	28	1-93	28	2.5	12,289	4.75	584	6	28	+394	-.11	+9	+19
04-08-52 584908 2000414 5-73					28		11,050	5.10	563						
597705 KEYS LYNN TAURUS.....*		1	34	1-22	34	2.9	10,376	5.05	524	12	29	-111	+.05	-1	-4
08-05-62 585393 2272605 5-73					33		10,934	4.92	538						
597719 FAVORITE SECRET NOBLE.....		1	70	1-82	70	1.9	9,663	5.45	527	**	28	-60	+.03	0	-2
04-04-62 553813 2305410 5-73					21		9,953	5.43	540						
597735 BRAMPTON BAS ACMES INTEREST...*		3	31	2-34,42	35	2.5	8,341	5.05	421	30	30	-144	.00	-7	-10
10-25-60 010126923 010304365 5-73					46		8,788	5.08	446						
597754 FAVORITE BIG BUSINESS.....*		2	15	2-12,14	17	3.1	11,254	5.64	635	12	28	+174	+.12	+20	+22
06-15-62 553813 2214618 5-73					84		10,780	5.32	573						
597755 SECRET DAUNTLESS.....*		5	24	2-87,88	42	2.7	9,535	4.83	461	**	40	+186	-.02	+7	+11
07-23-52 497574 1875564 5-73					33		9,059	4.87	441						
597757 HIGH LAWN COMMODORE.....*		2	10	2-14,56	12	2.3	11,046	5.30	585	25	25	+93	+.01	+6	+8
08-07-52 572331 2315008 5-73					86		10,840	5.28	572						
597805 RECORD GOLDPENCE COUNT.....*		2	13	1-74	17	1.2	6,906	4.95	342	**	24	-53	+.05	+2	0
02-14-60 520485 1940244 5-73					39		6,878	4.67	322						
597848 JESILEUS MONARCH.....*		3	9	1-42	12	1.3	4,951	5.62	278	13	24	-501	+.06	-20	-32
07-31-62 542372 2128288 5-73					6		6,851	5.20	356						
597904 TRISTRAM CROWN PRINCE.....*		3	26	2-88,93	54	3.0	11,878	4.83	574	7	45	+290	-.04	+11	+18
02-20-52 530104 2048410 5-73					27		11,457	4.88	559						
597967 BARLOWS COMMAND WA KINGDOM...*		2	6	1-52	10	2.0	8,777	5.07	445	20	27	+41	+.01	+3	+4
09-17-62 572137 1967951 1-73					11		8,558	5.04	431						
598001 MARLU MILESTONE ECHO.....*	65-02	42	4	3-63,65,	101	2.5	8,696	4.96	431	11	82	-25	+.06	+4	+3
07-06-52 553805 2057458 5-73				72	22		8,675	4.86	422						
598023 PEDROS ADV. LADS RANGER.....*		3	11	1-92	15	3.0	10,479	5.36	562	0	30	-42	+.10	+7	+4
01-05-63 589915 1824742 5-73					23		10,779	5.09	549						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF OAU /HD	STATES AND WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS HM/OAU	REC/DAU HERDMATE	MILK	% FAT	1ST REPT FAT	% INC	%	PREDICTED DIFFERENCES MILK	% FAT	$$
598029 JESTERMAID J. ADVANCER.....*	61-02	19	8	5-31,41,	47	2.4	8,229	4.99	411	11	60	-222	+.03	-8 -13
02-16-61 576049 2009738 5-73				47,63,65	21		8,532	4.96	423					
598030 CERES RDYAL KEEPER.....*	52-01	24	7	9-21,33,	58	2.6	8,331	5.03	419	14	67	-531	-.04	-30 -41
02-15-62 585431 2317480 5-73				42,43,52	22		9,118	5.11	466					
598039 BEACONS LOYAL BASIL.....*		9	8	4-57,63,	22	2.5	10,699	4.81	515	29	41	+109	-.04	+2 +5
02-20-62 573071 2084023 5-73				65,74	29		10,572	4.87	515					
598053 IDLEMERE JUDES FLASH.....*		1	38	1-93	38	2.0	10,235	4.88	499	17	27	+78	-.04	0 +2
08-25-62 593999 1864258 5-73					75		10,025	5.08	509					
598059 DON HEAD BELLEBDY DRAGDN.....*		3	18	1-63	37	1.6	8,430	5.03	424	20	38	-415	+.03	-18 -27
03-17-61 010125606 010315260 5-73					9		9,558	4.98	476					
598111 BELMDNT DESIGN VDL.....*		1	55	1-65	55	1.8	7,518	4.63	348	29	27	-164	-.01	-9 -12
10-24-62 563771 2121025 5-73					78		8,011	4.69	376					
598112 ANN ARBDR TRISTRAM BASIL.....*		1	62	1-23	62	1.8	8,499	4.97	422	15	27	+26	+.03	+4 +4
07-20-62 530104 2268257 5-73					26		8,316	4.85	403					
598118 BASILS PINNACLE COMMANDD.....*		9	7	4-55,61,	35	2.6	7,313	4.87	356	20	56	-322	-.03	-19 -25
03-13-61 556096 1877269 5-73				63,65	30		7,739	4.97	385					
598125 MARLU MILADY MIDAS.....*	21-10	105	4	17-11,12,	221	1.5	10,141	4.88	495	19	89	+99	-.12	-6 -2
05-09-62 563805 2155942 5-73				13,21,52	29		10,122	5.02	508					
598191 FILLPAIL DREAMING VICTDR.....*		2	6	1-82	10	2.5	9,026	4.99	450	20	29	-150	+.01	-7 -10
09-22-62 589390 2232524 9-72					30		9,593	5.00	480					
598209 B J A HDRNET.....*		4	14	2-35,64	33	3.2	8,147	4.89	398	6	45	-340	.00	-17 -24
10-16-61 528332 2013868 5-73					69		8,874	4.90	435					
598213 STANDARD BEARER.....*		4	3	1-42	10	2.8	6,956	5.64	392	13	34	-455	+.11	-13 -24
01-22-62 528332 174C678 5-73					20		8,207	5.26	432					
598220 BEAUTYS M ELECTRA.....*	31-02	30	3	9-31,42,	64	2.0	8,701	4.94	430	21	75	-382	-.07	-25 -32
12-07-62 553149 2465106 5-73				63,64,72	32		9,214	5.05	465					
598223 GDLD RING SIR.....*		6	45	1-55	58	2.3	9,039	4.99	451	15	34	+166	-.01	+7 +11
12-23-61 564209 2004350 5-73					132		8,477	5.03	426					
598272 MAQUILLAS NDBLE BDY.....		1	10	1-65	10	1.5	5,008	5.59	280	11	20	-632	+.08	-25 -40
10-20-62 542372 2193162 1-73					27		8,097	4.99	404					
598287 Q.V. JEWEL BASILEUS.....*		4	4	3-13,21,	14	3.2	10,530	4.79	504	0	42	+194	-.10	0 +6
10-27-62 564125 2404899 5-73				56	31		10,167	5.01	509					
598304 STARDJST BRDWNYS DESIGNER NJBL*		4	13	1-93	25	1.9	10,460	4.93	516	6	35	+112	-.03	+3 +6
01-04-63 557569 2036557 5-73					23		10,249	5.01	513					
598342 SUNBEAM SIGNAL VICTDRY.....*		9	15	2-55,56	46	2.7	9,003	4.79	431	9	51	+55	-.04	-1 +1
09-19-62 580237 1911463 5-73					77		8,862	4.89	433					
598356 MISTER ELITE.....*		1	31	1-13	31	3.5	10,081	5.51	555	10	30	-85	+.06	+1 -2
08-01-62 550331 2155938 5-73					42		10,501	5.34	561					
598368 GDLD RING PEERLESS.....*	91-13	103	6	19-35,41,	277	1.6	9,773	4.99	488	24	90	-180	-.06	-14 -17
06-29-62 564209 1799259 1-73				91,92,93	25		10,060	5.07	510					
598369 SANDY ACRES W.R. BASIL LEADER.*		1	54	1-87	54	1.8	9,435	4.65	439	15	27	+19	-.02	-1 0
03-25-62 567370 1861793 5-73					29		9,383	4.75	446					
598380 SUNBEAM MILESTDNE.....*		8	19	4-55,56,	34	2.1	10,057	5.12	515	10	38	+85	+.08	+12 +12
12-03-62 563805 2314523 5-73				58,63	58		9,903	4.90	485					
598392 BEAUTYS M COSSACK.....*		4	42	4-32,34,	48	2.9	8,762	5.11	448	23	32	-46	+.03	0 -1
04-03-62 553149 2347152 5-73				55,92	42		8,677	5.04	447					
598413 ETTA JIM STAR INA BEACDN.....*		5	14	2-43,65	30	2.5	8,211	5.08	417	19	41	-211	-.01	-11 -15
09-05-62 574673 2371431 5-73					25		8,684	5.12	445					
598437 MARLU MILESTDNE MINUTEMAN.....*		2	47	1-56	49	2.7	9,829	4.70	462	11	30	-89	-.02	-6 -8
07-17-62 563805 1917801 5-73					25		10,231	4.79	490					
598447 GDLDEN ETTA TELSTAR.....*		4	26	3-31,33,	32	2.7	9,491	5.03	477	19	32	+199	-.05	+5 +10
03-07-63 565141 2294815 5-73				34	15		8,822	5.23	461					
598467 HEADSPRING DESIGN RAJAH.....*		3	16	1-56	24	3.0	11,239	5.07	570	9	34	+163	-.03	+5 +9
09-07-62 531342 2306140 5-73					111		10,940	5.17	566					
598475 LYNNS STRAY DESIGNER.....*		6	5	3-21,23,	18	1.7	9,112	4.81	438	25	40	-217	-.06	-16 -20
09-28-62 572285 2108986 5-73				51	14		9,705	4.97	482					
598489 MILESTDNE BEACDN BAS.....*		7	34	4-82,84,	87	2.1	8,684	5.16	448	11	48	-122	+.04	-2 -5
02-26-63 563805 2159502 5-73				85,93	22		8,910	5.08	453					
598493 STAROUST SURVILLE HOPE PRIDE..*		2	9	2-87,93	12	1.8	7,674	5.11	402	11	25	-208	+.02	-9 -14
10-05-62 557569 2159704 5-73					8		8,647	5.10	441					
598505 MILESTDNE BAS SENSATION.....*	31-07	17	13	5-33,55,	59	2.3	9,177	4.89	449	6	58	+146	.00	+7 +10
04-10-62 563805 2159517 1-73				63,64,65	18		8,892	4.88	434					
598525 MARLU MILAD MILESTONE.....*		6	17	1-65	42	2.4	9,984	4.96	495	20	45	+335	+.03	+20 +27
09-29-62 589069 2299111 5-73					64		9,237	4.86	449					
598547 BASIL STERLING FASHION.....*		4	12	1-43	26	2.2	10,944	5.03	550	4	40	+285	.00	+14 +20
11-19-62 585918 1942318 5-73					47		10,345	5.04	521					
598568 DORBRJDKS GDLDEN RING MAN.....*	61-02	41	3	10-23,31,	67	1.9	8,742	4.95	433	14	77	-153	-.05	-12 -14
11-18-62 580702 2317501 5-73				33,61,74	16		8,914	5.04	449					
598629 GDLDEN ETTA CONSTELLATION.....*		11	25	4-35,43,	45	2.1	8,176	5.14	420	11	39	-56	-.02	-5 -6
06-02-62 565141 2371903 5-73				48,84	13		8,223	5.27	433					
598635 ACME ELSIE CHIEF.....*		2	13	1-48	15	3.5	10,640	5.07	539	0	29	+229	-.01	+10 +15
05-06-62 588142 2261784 5-73					21		9,909	5.13	508					
598648 GDLDEN STANDARD VALIANT X.....*		4	5	3-32,65,	13	1.5	8,264	4.77	394	50	32	-4	-.05	-5 -4
06-15-62 574676 1748753 5-73				74	22		8,176	4.98	407					
598658 MILESTDNE DIRECTOR.....*		7	3	4-21,23,	14	2.1	9,890	4.86	481	18	41	+162	-.08	+1 +6
08-28-62 563805 2147377 5-73				31,63	23		9,531	5.04	480					
598659 I.C. MILESTONE MASTERFUL.....*	63-03	10	4	2-63,65	25	2.0	8,254	5.10	421	4	54	-122	+.07	0 -4
12-21-62 563805 2159512 1-73					22		8,404	4.99	419					
598661 MILESTDNE DATELINE.....*		1	31	1-63	31	2.2	8,120	5.14	417	19	27	-224	+.09	-3 -9
02-18-63 563805 2035717 5-73					41		8,943	4.82	431					
598662 MILESTONE LIMELIGHTER.....*		1	31	1-61	31	2.3	9,203	4.93	454	25	27	+127	+.04	+10 +12
02-18-63 563805 2211848 5-73					11		8,681	4.76	413					
598663 MILESTDNE JESTERMAIDS RADAR...*		4	3	2-63,65	10	1.9	8,323	4.91	409	0	33	-30	+.01	-1 -2
03-02-63 563805 2263548 9-72					26		8,333	4.91	409					

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES ND- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS HM/DAU	REC/DAU HEROMATE	MILK	% MILK	FAT	% FAT	% 1ST INC	% REPT	PREDICTED DIFFERENCES MILK	%	FAT	$$
598665 MILESTONE BELLESMAN.....*		10	10	5-54,57,	32	2.3	8,837	5.14	454		23	47	-136	+.04	-3	-7
C3-09-63 553805 2035710 5-73				58,63,65	23		9,118	5.07	462							
598678 DAYPECK ETTAS COUNT.....*		2	28	1-43	41	2.2	9,438	4.86	459		19	35	+14	-.03	-2	-1
C3-20-63 588876 2272811 5-73					39		9,420	4.98	469							
598681 MASTERS GEM.....*	35-05	19	9	7-16,31,	58	2.0	9,182	5.05	464		16	62	-66	+.03	-1	-3
C7-18-62 553149 2176796 5-73				35,42,61	13		9,299	5.03	468							
598730 SNOWMANS FIREFLY ADVANCER.....		1	20	1-35	20	3.2	10,223	5.35	547		12	27	+226	+.04	+15	+19
02-28-63 571913 2386389 5-73					10		9,415	5.28	497							
598749 SECRET MARSHALL ARTHUR.....		2	17	1-46	29	1.6	9,191	5.60	515		38	33	+179	+.06	+15	+18
01-06-63 497574 2282971 5-73					7		8,594	5.49	472							
598750 OBSERVER CANDY CHIEF.....*		7	33	4-56,57,	58	2.1	10,274	4.80	493		15	39	+450	-.02	+20	+30
C1-13-63 553236 2152816 5-73				58,63	71		9,111	4.84	441							
598788 KING TOREADOR.....*		1	14	1-35	14	1.8	7,696	5.31	409		15	23	-5	+.02	+2	+1
C1-14-63 591239 2333454 5-73					6		7,559	5.24	396							
598803 R.A. PATTYS ACME.....*		3	14	1-23	18	3.4	8,723	5.22	455		24	30	-144	+.05	-3	-7
C1-25-61 534234 2137553 5-73					17		9,208	5.10	470							
598826 JESTER BASIL ARISTOCRAT.....*		1	16	1-56	16	2.8	8,867	5.24	465		0	26	-108	.00	-5	-7
06-16-62 531342 2301422 5-73					42		9,297	5.30	493							
598827 JESTER BASIL DESIGN KING.....*		2	14	1-56	16	1.9	8,687	5.11	444		**	26	-67	+.04	0	-2
06-17-62 531342 1931043 5-73					60		8,926	4.97	444							
598853 GEMS W R FAVOR.....*		6	11	1-65	42	1.9	8,585	4.68	402		19	51	-2	-.05	-5	-4
C1-19-63 591369 2014010 5-73					27		8,524	4.79	408							
598929 MARLU SPARKLING MILESTONE.....*	21-10	43	2	10-11,12,	67	2.9	9,571	4.88	467		8	81	+72	-.15	-10	-6
10-24-62 553805 1748310 5-73				13,21,23	23		9,513	5.08	483							
598989 MILADYS SENTINEL CLIMAX.....*		2	42	1-65	44	1.9	7,764	4.59	356		28	28	-96	-.01	-6	-8
10-04-62 577134 1968106 5-73					80		7,992	4.64	371							
599009 BETS FASHION LEADER.....*		2	17	2-63,65	25	3.4	8,987	5.03	452		0	35	+247	.00	+12	+17
C1-24-62 557370 1992769 5-73					33		8,179	5.05	413							
599040 CHAMPION ROYAL LAD.....*		2	6	1-21	11	2.7	8,652	4.95	428		40	31	+81	-.05	-1	+2
08-18-62 537666 1788977 5-73					12		8,295	5.21	432							
599051 LIBERATORS SURETHING.....*		2	15	1-42	26	2.2	7,829	5.24	410		16	36	-403	+.06	-15	-25
01-14-62 554125 2282304 5-73					6		8,937	5.09	455							
599055 BORGS GOLDEN BEACON.....*		4	6	3-33,35,	16	2.8	9,763	5.19	507		9	40	+173	+.12	+20	+22
10-27-62 555141 2297830 5-73				41	14		9,339	4.88	456							
599067 MILESTONE BEACON LAD.....*	63-03	14	6	3-61,63,	48	2.2	8,312	4.97	413		9	65	-31	+.01	-1	-2
12-11-62 553805 2333725 1-73				65	21		8,267	4.98	412							
599082 Q.V. RADAR SULTANAS DESIGNER..*		1	14	1-14	14	1.6	8,542	5.41	462		22	22	+14	+.04	+4	+4
C2-21-63 573617 2032635 5-73					11		8,397	5.26	442							
599101 SECRET SENTINEL SANOMAN.....*	21-10	45	2	7-11,12,	69	2.0	9,622	5.03	484		14	80	+194	-.02	+8	+12
C2-06-63 497574 1975152 5-73				13,14,21	25		9,400	5.06	476							
599129 L.M. EAGLE DREAMING DESIGN.....*		2	19	1-93	38	3.0	10,014	5.35	536		0	43	-10	+.05	+4	+3
07-03-61 535960 1584844 5-73					17		10,132	5.28	535							
599132 BEACON BASIL MARVEL.....*		2	9	1-82	12	2.3	7,476	5.00	374		38	27	-250	-.02	-14	-19
C5-05-62 596180 2352512 5-73					8		8,332	5.12	427							
599146 L M JESTER SPARKLING SIR.....		2	10	1-93	15	1.9	7,540	5.48	413		31	28	-692	+.03	-32	-47
08-25-62 559915 2473201 5-73					23		10,066	5.34	538							
599220 MILESTONE RADAR COURAGEOUS....		1	17	1-11	17	2.2	8,249	4.70	388		14	25	+86	-.05	0	+3
10-01-62 572595 2334334 5-73					25		7,752	4.91	381							
599221 RUSTIC MILESTONE SIR.....*		4	16	2-11,13	21	2.6	10,853	5.18	562		5	31	+122	+.03	+9	+11
C4-27-63 553805 2321206 5-73					22		10,602	5.11	542							
599227 MARLU MILADS EMBLEM.....*		14	24	6-11,12,	56	2.5	9,562	5.15	492		21	46	+7	.00	0	0
07-23-62 589069 2195904 5-73				13,21,55	29		9,585	5.17	496							
599245 PANSETTES SLEEPING JESTER.....*		3	7	2-33,61	12	2.7	7,103	5.05	359		13	30	-387	+.01	-18	-26
C1-02-63 534585 2265318 5-73					13		8,291	5.05	419							
599285 SIR BASIL JESTER SPOOK.....		1	30	1-74	30	2.6	9,264	4.57	423		9	28	-42	-.02	-4	-5
01-03-63 549122 2270065 5-73					29		9,441	4.64	438							
599303 GOLDEN OLES ETTAS KING.....		3	5	1-42	10	2.6	6,831	4.93	337		0	31	-137	+.04	-3	-7
12-11-62 555141 2363871 9-72					8		7,059	4.80	339							
599324 HOMESTEAD LORO RECDROS.....*		4	5	2-43,65	15	1.7	9,703	4.95	480		0	36	+9	.00	0	0
C7-01-62 524573 2074932 5-73					18		9,731	4.99	486							
599331 BORGS GOLDEN WARSONG.....*		6	12	2-34,35	20	2.6	9,420	5.16	486		13	35	+107	.00	+5	+7
09-26-62 556092 2274881 5-73					18		9,134	5.21	474							
599332 THANKFUL SURPRISE HOPE.....*		5	14	2-23,55	25	2.3	8,144	5.11	416		36	36	-323	+.02	-14	-21
C6-10-62 010009251 2475088 5-73					15		9,025	5.06	457							
599411 CHAMPIONS PINN CHAMP.....*		3	10	2-48,73	21	2.1	10,498	5.21	547		37	37	+162	+.01	+9	+12
C8-07-62 537666 2400051 5-73					33		10,156	5.23	531							
599441 ROYALIST BRAMPTON FAVORS WONDE*		2	8	1-65	15	2.1	9,569	4.78	457		20	32	-51	-.01	-3	-4
C4-01-63 591369 2007244 5-73					17		9,793	4.82	472							
599484 FAVOR BRAMPTON ADVANCER.....*		1	13	1-65	13	1.9	6,923	5.06	350		9	23	-142	+.03	-4	-8
C7-30-62 591369 2276790 5-73					6		7,378	4.91	362							
599491 MARLU MILADY VALOR.....*		1	61	1-64	61	2.6	9,279	4.78	444		7	30	+175	-.01	+8	+12
11-23-62 594407 2404305 5-73					53		8,632	4.76	411							
599519 SIBLEY FASHION JUBILEE.....*	33-03	12	14	4-12,14,	42	2.3	9,351	5.08	475		16	49	-212	+.05	-6	-11
06-21-63 557370 2025207 5-73				21,92	23		9,854	5.01	494							
599520 SIBLEY MILESTONE DIADEM.....*	21-10	46	2	8-11,13,	75	2.7	9,880	4.69	463		12	81	+257	-.25	-11	-1
07-24-63 553805 2025204 5-73				14,16,21	18		9,605	5.00	480							
599529 B J A MAGICIAN.....*		4	6	1-47	17	1.9	9,427	5.38	507		13	39	+133	+.14	+20	+20
02-14-63 528332 2013868 5-73					30		9,070	5.03	456							
599535 MEADSPRING SPARKLING CONQUEST.*	61-02	20	2	6-31,33,	35	2.3	8,847	5.27	466		24	56	-248	+.17	+3	-5
01-18-63 508078 2329941 5-73				51,63,65	25		9,228	5.00	461							
599577 BIJOU JESTER STD AIM.....*		3	6	1-71	12	1.8	7,859	4.75	373		45	29	-120	-.02	-8	-10
11-19-62 587908 2073217 5-73					12		8,176	4.86	397							
599589 VALIANT AIM PLUME JESTER.....*		4	8	1-42	15	2.7	6,118	5.00	306		22	33	-204	-.01	-11	-15
07-11-62 573655 1992846 5-73					7		6,458	5.09	329							

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HO	STATES ND- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS HM/DAU	REC/DAU HEROMATE	MILK	%	FAT	% FAT	1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
599597 MIDLANDS ITASKA ROYAL.....*		3	13	1-87	27	2.0	8,927	4.94	441	7	38	-30	-.01	-2	-3
09-15-62 597750 2521753 5-73					43		8,988	4.98	448						
599639 S A I BLDNDE RECORD CREATDR...*		5	44	1-88	64	1.9	9,503	5.50	523	36	35	-440	+.22	-3	-16
07-20-62 520485 2049348 5-73					38		10,940	4.97	544						
599661 CHAMPION ROSARY RUSTY.....		2	31	1-58	33	2.6	9,259	4.85	449	10	29	+116	.00	+6	+8
09-20-60 537666 2028630 5-73					122		8,824	4.81	424						
599677 SPRINGHILLS WDNDERFUL LUKE....	35-05	15	22	5-31,34,	58	1.6	9,082	5.16	469	25	45	+179	+.03	+12	+15
12-15-61 456643 2303712 5-73				35,41,43	13		8,628	5.10	440						
599722 A J K TRISTRAM SIR.....*		1	18	1-56	18	2.3	9,547	4.73	452	13	25	+57	-.02	+1	+3
09-20-51 585904 2171388 5-73					120		9,334	4.80	448						
599774 NEW HOPES MASTERKEY.....*		9	2	4-14,33,	18	1.4	6,286	5.25	330	67	45	-677	.00	-34	-46
09-18-62 553279 2015377 5-73				42,85	24		7,628	5.27	402						
599812 MARLU LADYS VALOR.....*	63-02	17	3	3-57,63,	38	2.0	8,586	4.87	418	19	64	-205	.00	-10	-14
01-20-63 594407 2342469 5-73				64	23		8,874	4.88	433						
599822 REVIVERS CONSTELLATION D S.F..*		15	3	2-88,93	24	2.0	9,626	5.12	493	14	54	-187	+.06	-4	-9
03-28-63 589390 2393675 5-73					33		10,060	5.04	507						
599823 AMBASSADORS NEGOTIATOR D S.F..	35-21	9	16	1-93	32	1.4	10,890	4.86	529	**	36	+469	-.01	+22	+32
05-15-63 575184 2083441 5-73					15		9,627	4.88	470						
599830 CERES ROYAL MILESTONE.....		1	19	1-73	19	2.2	8,207	5.06	415	5	26	+38	+.01	+3	+4
10-14-52 585431 2299115 9-72					39		7,932	4.98	395						
599845 BELVIDERE DANDY ADVANCER.....*		4	20	2-91,93	29	1.9	10,672	5.18	553	37	32	+56	-.02	+1	+3
10-31-52 541866 2153267 5-73					26		10,638	5.27	561						
599861 I.C. MILESTONE BEACON BAS.....*	72-01	69	5	18-31,32,	176	2.2	8,847	4.77	422	18	88	-92	-.13	-16	-16
05-07-63 553805 2211839 5-73				43,65,72	25		8,926	4.92	439						
599902 ROYALS RING MAN OF DDRBRDDK...*		3	22	2-33,61	29	2.1	7,784	5.42	422	15	31	-130	+.13	+5	0
06-29-63 580702 2213657 5-73					21		8,094	4.95	401						
599928 FASHIONABLE TRISTRAM EMPERDR..*		2	21	2-33,42	29	2.1	9,731	5.24	510	0	32	+273	+.07	+20	+25
08-05-61 596820 1798686 5-73					27		8,840	5.03	445						
599965 STONEY BLUFF CHAMPION BONANZA.*		2	15	1-43	17	1.8	8,805	4.84	426	63	24	-147	.00	-7	-10
12-27-62 592841 2136677 5-73					24		9,434	4.87	459						
599979 BERNAS SILKEN KING.....		3	5	2-88,93	12	1.8	11,302	5.01	566	8	33	-110	-.07	-12	-13
04-07-63 569227 2288966 5-73					42		11,916	5.23	623						
599994 TENN JESTER G B I LAD.....*		8	13	3-63,65,	35	1.5	8,400	5.08	427	38	42	-176	+.06	-3	-6
03-12-63 555303 2108139 5-73				71	18		8,783	4.93	433						
599997 TENN TDROND G D D LAD.....*	31-07	11	16	3-63,64,	67	1.8	11,057	4.86	537	9	55	+359	-.01	+17	+25
04-30-63 497574 2108128 5-73				74	48		10,543	4.85	511						
600002 MARLU WARSPITE.....*	23-09	84	6	23-22,23,	235	1.4	9,570	5.11	489	12	88	-160	+.08	-1	-6
09-05-52 589136 2274241 5-73				31,43,56	25		9,813	5.04	495						
600051 SIBLEY DANDY MILLYS LEADER....*		3	9	1-13	12	2.4	8,964	5.29	474	25	28	-169	+.07	-2	-7
08-24-63 557370 2035146 5-73					23		9,626	5.07	488						
600066 LIBERATORS KING.....*		2	13	1-88	22	2.8	10,545	4.96	523	10	35	-174	+.01	-8	-12
11-04-62 554125 2166445 5-73					25		11,250	4.98	560						
600104 SPARKLING PROMOTER.....*		2	37	2-22,57	39	2.6	8,753	4.88	427	13	30	-63	-.08	-10	-10
05-15-62 554146 2046899 5-73					24		8,943	5.20	465						
600106 FAVORITE COMMANDO PATTERN.....*		2	33	1-93	37	2.5	9,397	5.40	507	9	30	-97	+.04	-1	-4
10-15-52 552974 2167900 5-73					22		9,780	5.30	518						
600145 MARLU MODEL VALOR.....*		6	21	4-31,35,	38	2.4	9,929	5.06	502	6	39	-198	+.03	-7	-12
02-21-63 594407 2404314 5-73				41,55	12		10,575	5.01	530						
600146 MARLU ZINNIAS VALOR.....*		1	54	1-85	54	2.4	9,156	4.97	455	2	29	-16	+.06	+5	+4
03-16-63 594407 2290028 5-73					43		9,215	4.71	434						
600147 MARLU MILESTONE WARRIOR.....*		7	3	2-23,31	13	1.2	10,090	4.91	495	**	33	+180	-.07	+2	+7
03-22-63 563805 2361451 5-73					25		9,587	5.15	494						
600150 MILESTONE BAS EMILYSMAN.....*	35-21	2	34	1-65	38	2.3	10,380	4.55	472	19	29	+99	-.05	0	+3
05-21-63 563805 2114664 5-73					32		10,138	4.72	479						
600153 MILESTONE BAS CHAMPION.....*		3	13	2-92,93	20	2.3	9,810	5.20	510	11	32	-192	+.02	-8	-12
08-09-63 563805 2159529 5-73					20		10,548	5.18	546						
600160 BLONDE WONDER ROYAL.....*		1	26	1-23	26	2.8	7,431	5.02	373	4	28	-437	-.01	-23	-32
05-03-63 010009100 2525381 5-73					11		8,990	5.09	458						
600174 W.H.L.T.S VICTOR.....*		2	17	1-31	19	2.6	10,845	5.32	577	16	28	+151	+.06	+13	+15
02-26-63 497574 2172599 5-73					35		10,418	5.16	538						
600180 H V JESTER MILESTONE SUPREME..*		7	10	3-55,57,	28	1.9	8,868	5.02	445	26	43	-88	-.01	-5	-7
04-23-63 553805 2066164 5-73				63	134		9,059	5.08	460						
600181 BROWNLANE WANDAS FASHION.....*		5	25	3-11,12,	41	2.3	9,976	5.07	506	15	38	-182	-.02	-11	-15
03-29-63 010129617 010275656 5-73				13	61		10,599	5.16	547						
600202 ROYAL CERES DESIGNER.....*		5	21	1-33	28	2.3	8,880	5.47	486	33	32	-166	+.06	-3	-7
08-05-63 585431 2182254 5-73					17		9,429	5.33	503						
600206 JEANIES EMPIRE.....*	23-13	24	9	4-21,23,	89	2.0	8,761	5.08	445	23	72	-371	+.06	-13	-22
11-15-62 528332 2181569 5-73				51,55	21		9,286	5.01	465						
600211 SUPERB ADONIS.....*	35-05	84	8	15-14,35,	314	1.8	9,915	5.08	504	15	91	+378	+.06	+25	+32
07-09-63 566264 1909488 5-73				41,42,63	22		9,530	5.03	479						
600213 CHAMPION INFERNDS LAD.....*		1	29	1-31	29	2.9	10,949	4.84	530	4	28	+114	-.03	+3	+6
12-02-62 582140 2230139 5-73					9		10,696	4.91	525						
600222 STARDUST ITASKA BROWNY KING...		1	44	1-93	44	1.8	8,547	5.15	440	36	26	-151	+.05	-3	-7
10-04-63 584682 2182627 5-73					167		9,120	5.00	456						
600306 ITASKAS JOY FARMER.....*		3	8	3-33,34,	11	2.1	8,325	5.03	419	25	26	-336	+.02	-15	-22
08-05-63 581485 2298859 5-73				65	14		9,655	5.01	484						
600308 DESIGN REPORT ONWARD.....		3	13	1-35	17	1.1	7,871	5.45	429	**	24	-238	+.07	-6	-12
10-17-63 580371 2186976 1-73					6		8,835	5.17	457						
600316 MARLU ZENITH MILESTONE.....*	31-07	3	30	2-14,23	34	2.1	10,294	4.86	500	9	29	+120	-.07	-1	+3
04-15-63 553805 2044727 1-73					6		9,958	5.14	512						
600317 MILADYS MILESTONE.....		3	12	1-34	16	2.0	8,491	5.02	426	29	27	-30	-.02	-3	-3
05-10-53 596406 2341881 5-73					17		8,540	5.12	437						
600318 MILESTONE MILAD.....*	61-02	6	11	1-34	21	1.6	8,231	5.39	444	38	33	-83	+.07	+2	-1
07-06-63 589069 2353596 5-73					22		8,406	5.19	436						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF OAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS	REC/OAU	MILK HM/OAU	% HERDMATE	FAT MILK	%	FAT	% 1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
600319 WELCOME HIGH LAWN TORONO KNIGH*		4	6	1-74	13	2.0	10,145	4.97	504	25	32	+101	-.02	+3	+6
C4-26-63 497574 2215083 5-73					27		9,904	5.03	498						
600323 BLYNOE BEACON BEAU.....*		19	3	13-22,23,	30	1.7	9,111	5.10	465	35	59	-309	-.01	-16	-22
03-19-63 565141 2113892 5-73				31,51,56	29		9,685	5.13	497						
600335 STONEY BLUFF MILKMAN DUKE.....*		5	14	2-35,43	30	2.0	9,820	5.10	501	33	39	+143	-.05	+2	+6
03-06-63 550331 2036092 5-73					30		9,484	5.26	499						
600353 SPARKLING ROYAL BART.....*		2	25	1-12	27	2.7	10,752	4.97	534	4	30	+221	-.01	+10	+15
10-23-63 559270 2369499 5-73					21		10,094	5.01	506						
600389 KING 8 ETTA STAR.....*		4	10	2-43,74	17	1.9	8,761	4.78	419	43	31	-328	.00	-16	-23
10-27-63 591239 2318108 5-73					19		9,889	4.82	477						
600395 JULIAS CHAMPION FREO.....*		1	14	1-82	14	2.9	9,372	5.28	495	0	26	+179	+.05	+14	+17
05-03-63 577237 2512144 5-73					7		8,619	5.11	440						
600396 MACS ROSSINI BIJOUET.....*		4	4	3-87,91,	16	1.8	8,005	5.30	424	13	40	-188	+.03	-7	-11
03-02-62 591219 2199605 5-73				93	10		8,400	5.29	444						
600400 LIBERATORS JEST LORO.....*		1	25	1-57	25	2.2	9,043	5.02	454	21	26	-187	+.04	-6	-11
03-28-63 554125 2333800 5-73					25		9,822	4.93	484						
600411 POWER KING VALIANT.....*		3	22	1-31	27	1.7	8,372	5.36	449	42	28	-323	+.07	-10	-18
03-01-63 591239 2360711 5-73					22		9,558	5.13	490						
600412 MARLU MILESTONE REPORT.....*		8	6	2-51,52	21	2.0	7,922	5.11	405	7	43	-207	+.01	-9	-14
02-18-63 553805 2320892 5-73					18		8,315	5.11	425						
600455 SLEEPING PATHFINDER.....*		1	41	1-74	41	2.1	9,346	4.54	424	12	28	-139	+.03	-4	-7
09-01-63 534585 2449105 5-73					36		9,925	4.45	442						
600499 KINGS ETTA STAR.....*		2	15	1-31	28	2.1	6,120	5.29	324	32	37	-624	+.05	-27	-41
12-18-63 591239 2336887 5-73					12		7,655	5.15	394						
600512 PIXYS TRISTRAM MIDAS.....*		1	34	1-42	34	2.5	8,887	5.00	444	0	29	+254	-.01	+12	+18
10-04-63 530104 2246455 5-73					48		7,864	5.02	395						
600516 Y-BROOK BROTHERS IDEAL.....*		3	9	1-31	13	2.5	8,182	5.08	416	25	28	-112	.00	-6	-8
10-11-63 590917 2294354 5-73					23		8,524	5.15	439						
600517 ETTAS SLEEPER.....*		5	16	5-31,33,	23	1.9	8,989	5.36	482	9	30	-81	+.04	0	-2
04-23-63 534585 2194805 5-73				35,42,43	25		9,267	5.22	484						
600521 MARLU MILAD ASTRO.....*	21-10	43	3	8-13,14,	72	2.2	8,866	5.15	457	16	78	-512	+.07	-19	-31
06-17-63 589069 2320882 5-73				16,21,23	20		9,563	5.08	486						
600544 GLEN MEADOWS SURVILLE MARINER.*	21-10	17	2	3-13,14,	26	3.0	9,782	5.11	500	12	62	+125	+.06	+12	+14
10-12-63 562315 2163665 5-73				21	30		9,624	5.03	484						
600586 JESTER SPARKLING CASA DRACONIS*		4	3	2-55,93	10	2.9	9,074	5.07	460	20	34	-92	+.01	-4	-6
11-16-62 564357 2305885 9-72					109		9,363	5.11	478						
600618 JESTERS AMBASSADOR.....*	61-02	36	7	9-11,31,	104	2.0	8,440	5.00	422	15	78	-301	+.04	-11	-18
07-19-63 575184 2027467 5-73				61,63,74	27		8,787	4.95	435						
600622 DAZZLING STARDUST.....*		7	20	2-92,93	31	2.2	9,963	5.10	508	25	34	-335	+.06	-11	-19
09-05-63 596503 2428308 5-73					36		11,148	4.97	554						
600624 HANDSOME DAZZLER.....*		3	25	1-87	35	1.8	8,651	5.11	443	17	33	-61	+.03	0	-2
09-26-63 596503 2476772 5-73					52		8,812	5.06	446						
600644 BELMONT COMMANDO.....*		2	22	1-65	24	1.7	7,456	4.69	350	48	26	-193	+.03	-7	-12
10-26-63 574676 2121025 5-73					84		8,096	4.61	373						
600668 GOLDEN JESTER ROYAL AIM.....*		5	6	1-32	18	1.9	8,098	5.40	437	20	40	-224	+.04	-8	-13
09-15-63 574676 2194191 1-73					12		8,604	5.35	460						
600676 BROWDERS WINSOME TEJAS COUNT..*		1	54	1-74	54	2.0	5,590	4.67	261	15	28	-389	-.01	-20	-28
06-06-63 557749 1795625 5-73					60		6,763	4.81	325						
600711 HEADSPRING RECORD DEACON.....*		7	19	3-55,56,	30	1.8	9,251	5.16	477	8	33	-185	+.01	-8	-12
11-02-61 520485 2211994 5-73				74	76		9,887	5.15	509						
600718 MARLU ANSOM LAD.....*		4	21	3-55,56,	28	1.8	9,922	5.30	526	19	31	+61	.00	+3	+4
09-05-63 594407 2274261 5-73				74	51		9,781	5.33	521						
600719 WILMINGTON ADVANCER PRINCE....*		7	24	2-31,48	45	1.8	9,068	5.16	468	19	39	-132	+.03	-4	-7
11-02-63 586832 2010711 5-73					20		9,436	5.12	483						
600758 LUKES ROYAL COUNT.....*		1	30	1-93	30	2.3	11,814	5.21	615	13	27	+181	-.01	+8	+12
10-31-63 578432 2417770 5-73					36		11,362	5.27	599						
600762 ADVANCER BROWNY WARD.....*		3	15	1-42	29	1.9	7,713	5.34	412	19	37	-401	+.03	-17	-26
09-30-63 556479 2193179 5-73					22		8,755	5.25	460						
600786 BEACON P AMBASSADOR.....*		3	9	1-33	13	1.9	8,657	4.82	417	**	27	+75	-.04	0	+2
03-15-63 575184 2084228 5-73					20		8,286	4.97	412						
600806 GOLDEN SLEEPING MILESTONE.....*		6	22	3-82,84,	33	2.2	10,575	4.52	478	21	34	+95	-.05	0	+3
01-10-64 553805 2392986 5-73				85	34		10,418	4.63	482						
600813 ADVANCER PEGGYS MILESTONE.....*		5	6	2-13,56	14	2.4	9,068	5.36	486	25	34	-184	+.08	-2	-7
10-15-63 592650 2306508 5-73					29		9,657	5.16	498						
600814 SPECIALS CHIEF.....		1	23	1-93	23	2.4	10,810	5.04	545	11	27	+218	+.01	+12	+16
03-04-63 579323 2010507 5-73					25		10,087	5.00	504						
600816 JOYCE SUPREME PILOT.....	35-75	3	16	3-35,65,	20	2.0	11,963	4.82	577	18	28	+124	-.01	+5	+8
04-21-63 592920 2118785 5-73				93	3		11,770	4.85	571						
600820 SECRET SUPREME ACE.....*		8	13	2-88,91	35	2.1	9,789	5.33	522	21	44	-33	+.11	+8	+6
02-01-63 497574 2163400 5-73					23		9,940	5.12	509						
600825 MARLU MILAD MOTTO.....*		8	12	6-15,31,	24	2.4	10,413	4.81	501	13	37	+126	-.09	-2	+2
06-18-63 589069 2341898 5-73				47,61,73	25		10,172	5.07	516						
600827 MARLU MILAD KEYNOTER.....*		5	4	4-22,23,	15	2.1	8,951	5.14	460	18	39	-164	+.01	-7	-11
08-21-63 589069 2147381 5-73				56,58	36		9,392	5.14	483						
600829 MARLU MILESTONE TOPPER.....*		1	48	1-63	48	2.7	9,384	4.87	457	9	29	-230	+.02	-10	-15
09-05-63 553805 2380852 5-73					31		10,277	4.86	499						
600830 MARLU MILAD MONARCH.....*		3	14	3-72,73,	21	1.4	8,269	5.47	452	45	28	-340	+.04	-13	-21
09-13-63 589069 2274268 5-73				74	54		9,500	5.34	507						
600831 MARLU FASHION MILAD.....*	35-75	133	9	37-21,23,	357	1.5	8,676	5.14	446	25	90	-648	+.07	-26	-41
09-24-63 589069 2493306 1-73				32,35,82	25		9,416	5.08	478						
600867 RULERS PILLPAIL ROYAL.....*		2	15	2-31,55	17	2.2	7,823	5.06	396	12	26	-54	-.01	-4	-5
05-17-63 598277 2353955 5-73					13		7,904	5.17	409						
600869 COMMANDO FASHION JINX.....*		4	20	3-13,55,	30	3.1	8,393	5.30	445	7	36	-149	.00	-7	-10
11-12-61 557370 2296258 5-73				56	20		8,766	5.35	469						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES AND NO. WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS	REC/DAU HEROMATE	MILK	% FAT	FAT	1ST LAC	REPT %	PREDICTED DIFFERENCES MILK	% FAT	$$
600873 SUNBEAM CRAFTSMAN.....*	31-02	22	5	11-52,55,	50	2.2	9,829	4.94	486	4	67	+281	+.03	+17 +22
02-08-64 563805 2224395 5-73				56,58,74	49		9,431	4.89	461					
600893 MILESTONE RADAR OF LINOALE....*		1	19	1-65	19	2.3	8,371	4.80	402	24	25	-122	+.03	-3 -6
07-01-63 563805 2174069 5-73					29		8,821	4.68	413					
600896 LEADER SUPREME BUTTERBOY.....*		3	8	3-41,42,	13	2.2	8,097	5.14	416	25	29	-80	-.02	-6 -7
04-29-63 594739 2315055 5-73				47	20		8,282	5.28	437					
600917 AMBASSADOR PAT OF MURMUND.....*		2	13	1-85	16	1.0	8,608	4.05	349	**	23	-3	-.13	-12 -10
09-25-63 575184 2471701 1-73					49		8,561	4.67	400					
600925 GOLDEN STAR ADVANCING OF B.A..*		1	41	1-46	41	2.6	8,150	5.07	413	8	29	-42	+.02	0 -1
09-06-63 555141 2048768 5-73					14		8,197	4.99	409					
600928 COSMIC FASHION.....*		4	20	1-13	43	2.5	7,312	5.03	368	15	43	-248	+.03	-10 -16
08-06-63 594900 010343422 5-73					21		7,745	4.98	386					
600947 HEADSPRING MILESTONE ACCLAIM..*	61-02	32	4	6-31,33,	79	2.0	8,853	5.16	457	9	77	-323	+.18	0 -10
08-30-63 563805 2306140 5-73				57,61,74	23		9,283	4.92	457					
600948 HEADSPRING MILESTONE KNIGHT...*		1	31	1-56	31	1.9	11,215	5.37	602	7	26	+78	.00	+4 +6
09-29-63 563805 2201913 5-73					37		11,135	5.40	600					
600962 ANSOM SLEEPING VISATOR O S.F..*		24	6	4-21,42,	74	2.0	9,673	4.84	468	23	73	-157	-.13	-20 -21
01-10-64 534585 2356796 5-73				87,93	24		9,958	5.04	502					
600972 CORDELIAS SLEEPING JESTER.....*		2	44	2-91,92	46	1.8	10,166	4.94	502	33	28	-82	+.01	-3 -5
01-01-64 534585 2194539 5-73					40		10,608	4.95	525					
600980 MILESTONE JESTER B.....		1	32	1-93	32	1.6	9,199	4.92	453	46	25	-5	-.01	-1 -1
11-25-63 563805 2229043 5-73					171		9,227	5.02	463					
600981 ROYAL AIM WARO.....*		1	17	1-31	17	2.1	7,152	4.81	344	13	24	-215	-.05	-15 -19
12-02-63 596054 2508671 5-73					17		7,906	5.12	405					
600983 B J A GIVIA JOE.....*		12	2	5-21,31,	18	2.0	8,202	5.24	430	6	51	-402	+.05	-15 -25
10-14-63 528332 2123204 5-73				32,34,91	11		8,977	5.18	465					
600987 TIDYS F.S. BLONDE SIR.....*		1	17	1-65	17	2.3	8,860	4.90	434	29	25	-196	+.02	-8 -12
10-23-63 547848 1943760 5-73					11		9,697	4.65	470					
601005 RELIABLE AIM RULER.....*		3	71	1-64	84	1.8	9,731	4.66	453	9	32	+144	-.04	+3 +7
04-28-63 589772 2308428 5-73					91		9,283	4.75	441					
601033 GOLDEN LANCER.....*		6	27	3-42,57,	46	2.4	8,715	5.20	453	11	39	-46	-.01	-3 -4
11-30-63 555141 2181813 5-73				64	57		8,797	5.29	465					
601039 PORTLAND SHARRAO.....*		1	20	1-32	20	1.7	8,475	5.25	445	47	24	-104	-.01	-6 -8
10-10-62 583644 1803150 5-73					9		8,885	5.37	477					
601063 S.B.M. COMMANDOS SNOWMAN.....		2	24	1-48	36	1.7	9,470	5.17	490	26	34	+138	-.04	+3 +7
01-03-64 594674 2431696 5-73					10		9,041	5.36	485					
601065 MARSHLAND ADVANCER BEACON.....*		3	27	1-13	31	2.9	9,575	5.55	531	13	31	-283	+.12	-3 -11
04-11-63 600740 2540919 5-73					12		10,625	5.22	555					
601097 JEANETTES LEADER JESTER.....*		2	11	1-33	13	1.5	8,088	4.98	403	31	23	-166	+.03	-6 -10
02-16-64 567370 2194790 5-73					18		8,767	4.93	432					
601111 JESTERMANS STANDARD SULTAN....*		3	29	1-92	35	2.1	10,315	5.01	517	**	30	+28	-.03	-1 0
01-22-64 561469 2296649 5-73					59		10,338	5.13	530					
601152 MARLU MILESTONE VALOR.....*		5	28	2-55,56	52	1.9	8,065	4.90	395	14	40	-298	+.05	-10 -17
05-01-64 594407 2187377 5-73					65		8,779	4.76	418					
601159 DOUBLE WINSOME DESIGN.....*		2	14	1-31	20	3.1	8,438	5.26	444	5	34	-13	+.04	+3 +2
10-25-63 575186 2450346 5-73					13		8,398	5.13	431					
601160 JESTER ETTA STANSON.....*		3	14	2-31,35	18	2.0	9,124	5.37	490	11	27	-59	+.11	+7 +4
01-16-64 534585 2392985 5-73					11		9,361	4.95	463					
601161 ETTAS JESTER ROCHETTE.....*		1	42	1-61	42	2.0	8,146	4.86	396	28	27	-204	-.01	-11 -15
01-23-64 591238 2406017 5-73					13		8,868	4.93	437					
601169 MILESTONE WINSOME SNOMAN.....*		3	8	2-23,31	11	2.0	8,967	5.17	464	0	27	+59	+.01	+4 +5
09-24-63 563805 2380865 5-73					13		8,696	5.14	447					
601173 IMP WINSOME JESTER.....*		11	12	4-23,31,	35	2.1	7,182	5.19	373	**	46	-567	.00	-28 -40
09-15-58 010038516 010067947 5-73				32,51	18		8,330	5.21	434					
601180 VOLUNTEER SMOKEY.....*		1	15	1-74	15	1.0	6,380	4.56	291	**	20	-159	-.01	-9 -12
05-21-63 564812 2058790 5-73					31		6,971	4.75	331					
601184 KEYSTONE.....*		6	5	1-23	15	2.5	7,856	5.14	404	0	39	-398	+.02	-18 -27
07-01-63 563805 2176467 5-73					12		8,852	5.11	452					
601251 RELIABLE FAVORITE RULER.....		1	10	1-64	10	1.0	8,842	4.61	408	13	18	-29	-.04	-5 -6
07-01-63 589772 2032897 1-73					2		8,992	4.90	441					
601253 BROWNYS ROYAL AIM.....*		2	13	1-32	18	2.5	9,105	5.05	460	12	30	-191	-.02	-11 -15
02-21-64 598527 2295373 5-73					8		9,798	5.14	504					
601256 IOLEMERE CHARGER BANNER.....*		2	22	1-93	24	2.1	9,771	4.89	478	6	28	-22	-.05	-6 -6
01-19-64 578791 2264302 5-73					78		9,927	5.13	509					
601258 MILESTONE EXPERT.....*	41-01	60	4	11-35,41,	145	2.2	8,832	5.22	461	21	86	-107	+.15	+8 +3
12-15-63 563805 2159516 5-73				42,43,47	12		8,930	5.05	451					
601262 MILADY DESIGNER PRINCE.....*		2	10	1-48	20	2.3	8,233	4.97	409	6	36	+164	+.01	+9 +12
12-20-63 596406 2330477 5-73					6		7,622	4.93	376					
601264 MILESTONE CYMBAL BEACON.....*		9	2	2-42,57	15	1.7	8,554	4.76	407	11	44	-252	-.09	-21 -25
02-26-64 563805 2231607 5-73					24		9,121	5.01	457					
601266 FARMERS ADVANCER.....*		3	7	3-35,71,	17	1.3	8,658	5.27	456	**	33	-236	+.10	-3 -10
03-06-64 530454 2234953 5-73				84	21		9,387	4.99	468					
601289 LY-MAR SIR FAME.....*		5	5	1-92	20	1.9	10,504	5.23	549	0	43	+365	+.07	+25 +32
11-30-63 588835 2294475 5-73					36		9,714	5.11	496					
601301 PIXYS MILESTONE BEAU.....*		2	12	1-35	14	1.9	9,247	5.43	502	23	25	-62	+.07	+3 +1
02-01-64 553805 2111610 5-73					12		9,530	5.16	492					
601307 DAZZLING RUSH DESIGNER.....*		2	16	1-42	24	1.4	9,141	5.08	464	33	29	-175	+.04	-5 -9
05-08-64 010039339 2549432 5-73					10		9,798	4.96	486					
601310 BEACONS JESTER BOY BEAU.....*		6	21	4-56,58,	32	2.0	9,805	4.86	477	7	34	-43	-.01	-3 -4
12-27-63 573071 2235306 5-73				61,63	20		10,019	4.90	491					
601325 ALTA SUN DANCER KNIGHT.....*		1	86	1-93	86	1.7	8,924	5.09	454	19	27	-85	+.04	-1 -3
07-13-63 585397 2294331 5-73					156		9,243	5.01	463					
601337 SUPREMES ROCKET.....		2	8	1-93	10	1.3	11,993	5.13	615	14	21	+125	.00	+6 +9
02-24-64 592920 2010507 9-72					32		11,644	5.16	601					

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS HM/DAU	REC/DAU HERDMATE	MILK	%	FAT	% 1ST INC	% REPT	PREDICTED DIFFERENCES MILK	%	FAT	$$
601346 FARMER BROWNS BROWNY DAY DREAM*		4	17	1-92	22	1.6	9,481	5.23	496	6	28	-189	+.04	-6	-11
07-12-63 530454 1998318 5-73					57		10,268	5.13	527						
601350 GARTHS MILADY CHIEFTAIN.....*		3	11	1-65	23	2.1	8,365	4.84	405	10	38	-209	-.01	-11	-15
10-19-63 563805 2299116 5-73					73		8,887	4.87	433						
601420 BEACON PINN BELMONT.....*		3	5	1-33	10	1.8	8,838	5.23	462	**	29	-53	+.05	+2	0
07-01-63 554608 2122178 5-73					29		9,008	5.04	454						
601481 FASHION DESIGN OF BERRY HILL..*		2	17	1-52	21	1.6	8,685	4.93	428	**	26	-59	-.03	-6	-7
09-30-63 535354 2456080 5-73					4		8,883	5.11	454						
601516 GOLDEN JESTER ROYAL.....*		6	3	2-41,42	14	2.4	7,759	4.95	384	8	40	-276	-.03	-16	-21
09-18-63 555303 2436023 5-73					13		8,362	5.05	422						
601579 STARDUST BROWNYS B B W PRIDE..*		1	18	1-93	18	1.6	8,102	5.09	412	27	23	-260	-.01	-14	-19
12-18-63 556479 2471936 5-73					7		9,232	5.17	477						
601580 STAROUST BROWNYS NANCE DREAMER*		3	20	2-64,93	24	2.4	9,520	5.09	485	25	30	-65	+.02	-1	-3
02-02-64 556479 2503171 5-73					26		9,802	5.04	494						
601584 BRIGHTEYES KINGSTON.....*		3	43	1-43	61	3.0	8,096	4.88	395	4	38	-212	+.02	-9	-14
08-17-62 590013 2133483 5-73					27		8,593	4.85	417						
601594 BARONET MILKMAID DREAM BDY....		1	30	1-35	30	2.0	9,239	5.31	491	24	26	+25	+.07	+8	+7
02-20-64 560800 2313080 5-73					23		9,138	5.06	462						
601609 RADAR LYNN CRESENT.....*		3	19	1-93	23	2.1	10,165	5.04	512	15	29	-163	+.05	-4	-8
01-03-64 595497 2462777 5-73					19		10,909	4.92	537						
601659 EPICS FAVORITE COMMANDO.....*		2	35	1-72	45	2.0	7,892	4.52	357	18	32	-408	.00	-20	-29
11-12-63 588835 2114743 5-73					98		9,154	4.57	418						
601665 GENTLE JESTER.....*		2	9	1-13	11	2.0	6,313	5.29	334	10	24	-163	+.07	-2	-7
10-29-63 592163 2453233 1-73					26		6,758	4.94	334						
601676 JESTER KENTUCKY COLONEL.....*		1	16	1-61	16	2.0	7,494	5.12	384	0	24	-257	+.06	-7	-14
04-25-64 534585 1814248 5-73					25		8,499	4.88	415						
601682 GRAND MANNER.....*	51-02	38	13	15-13,16,	125	1.6	7,390	5.05	373	19	73	-979	-.04	-52	-72
01-07-64 581485 2143745 5-73				23,31,51	20		8,678	5.12	444						
601708 L.M. TRISTRAM EAGLE.....		2	14	1-93	20	2.0	8,969	5.39	483	0	31	-316	+.02	-14	-21
06-12-63 584073 2210917 5-73					25		10,086	5.34	539						
601727 JEANIE SLEEPER.....*	31-02	79	5	14-31,58,	186	1.8	8,492	5.04	428	19	88	-193	+.04	-6	-11
12-20-63 534585 2181569 5-73				63,71,72	25		8,658	5.01	434						
601745 ITASKA RULER BASIL.....*		5	17	2-65,71	24	1.5	7,303	4.87	356	30	29	-277	-.01	-15	-21
12-11-63 581485 2309269 5-73					18		8,143	4.97	405						
601747 TRISTRAM COMMANDO RECORDS.....*		4	7	2-48,63	16	2.2	6,836	5.19	355	17	36	-482	+.02	-22	-33
08-09-63 591927 2328794 5-73					17		8,055	5.14	414						
601765 VALIANT AIM PLUME JACK.....*		2	18	2-43,63	20	2.1	8,366	5.00	418	11	26	+82	+.02	+6	+7
01-04-63 573655 2075284 5-73					9		7,927	4.89	388						
601814 MILESTONE MAIDEN FAVOR.....*		3	16	2-65,74	24	1.8	8,949	4.78	428	35	31	-251	+.01	-12	-17
12-25-63 563805 2175807 5-73					42		9,814	4.81	472						
601818 MYRTLE VALE SUPREME MAGIC.....*	91-13	40	5	12-35,41,	81	1.7	9,708	5.15	500	20	76	-191	+.04	-6	-11
06-06-63 556095 1899322 5-73				91,92,93	29		10,045	5.13	515						
601833 TRINITYS FORONO DESIGN.....*		2	14	1-56	16	2.8	11,374	5.14	585	8	28	+216	-.02	+9	+14
07-07-63 437574 1814034 5-73					102		10,748	5.23	562						
601846 OUR MILESTONE FASHION MAN.....		2	21	1-74	31	2.2	9,877	4.56	450	10	34	+175	-.06	+3	+8
01-29-64 563805 2475912 5-73					33		9,379	4.68	439						
601852 DORBROOKS FAVORITE RINGMAN....*	23-13	44	3	7-11,13,	81	2.4	9,511	5.30	504	12	80	+148	+.24	+30	+29
07-11-63 580702 2224561 5-73				14,21,23	21		9,341	5.00	467						
601859 LIBERATOR MARLU JOCK.....*		1	21	1-56	21	1.3	8,852	4.74	420	37	23	-194	+.03	-7	-12
10-18-63 554125 2299123 5-73					121		9,776	4.64	454						
601863 LIBERATORS STANDARD PINN.....		2	72	1-35	74	2.3	8,412	5.22	439	12	30	+149	+.01	+8	+11
12-09-63 595116 2192454 5-73					37		7,762	5.23	406						
601882 H.L. POMPEY AGENT.....*		2	25	1-31	44	3.1	11,197	5.52	618	17	41	+202	+.10	+19	+22
07-18-63 572331 2365856 5-73					11		10,873	5.37	584						
601883 H.L. POMPEY MORGAN.....*	35-21	6	17	1-42	77	2.2	11,231	5.02	564	9	59	+769	-.03	+35	+52
09-07-63 572331 2214618 5-73					28		10,019	5.09	510						
601887 JIMS LUCKY JESTER.....*		3	5	2-32,74	11	2.6	7,206	4.98	359	13	32	-486	+.08	-17	-29
08-12-63 534585 2406887 5-73					14		8,685	4.73	411						
601902 MARLU MILADY GALAXY.....*	31-02	49	2	13-31,34,	77	2.3	8,749	5.14	450	8	82	+34	+.09	+10	+9
12-08-63 594407 2434305 5-73				51,54,72	21		8,653	5.04	436						
601924 SUNBEAM VICTORIAN.....*		7	7	6-12,52,	18	2.6	8,672	4.89	424	7	40	-150	-.02	-9	-12
12-29-63 580237 2314523 5-73				55,56,58	63		9,037	4.96	448						
601933 ETTAS MASTER.....*		5	14	3-31,35,	21	2.1	9,882	4.82	476	0	32	+214	-.13	-2	+5
06-24-64 553149 1631376 5-73				43	24		9,218	5.28	487						
601948 AMBASSADOR OF BURCHFIELD.....*		2	6	1-65	10	3.2	10,108	4.93	498	10	30	+346	.00	+17	+24
09-06-63 575184 2276790 5-73					33		8,915	4.91	438						
601975 ETTAS JOHNNYS SPARKLE SOUVENIR*		2	18	1-31	23	2.1	7,814	5.07	396	10	30	-260	+.02	-11	-17
02-18-64 593871 2225439 5-73					13		8,635	5.03	434						
601989 LIBERATORS BASILEUS APOLLO....*		4	4	1-13	12	1.8	10,505	4.77	501	9	34	+142	-.06	+1	+5
08-06-63 554125 2340378 5-73					15		10,181	4.93	502						
602038 MILESTONE RADAR KINGPIN.....		1	17	1-42	17	1.9	6,106	5.27	322	24	24	-287	.00	-14	-20
01-31-64 577026 2428415 5-73					4		7,095	5.29	375						
602047 IMPERIAL SLEEPER.....*		4	4	2-48,74	10	1.4	7,563	5.08	384	14	28	-289	+.09	-6	-14
10-27-63 534585 2376703 5-73					78		8,551	4.75	406						
602092 MARLU FAVORITE VALOR.....*		1	35	1-21	35	1.5	9,314	4.92	458	32	25	-152	+.03	-5	-9
03-22-64 594407 2433711 5-73					10		10,008	4.83	483						
602093 MARLU MILESTONE EMBER.....*		3	39	1-55	56	2.6	9,166	5.01	459	11	37	-150	+.02	-6	-9
07-09-64 563805 1968108 5-73					178		9,617	4.98	479						
602117 LASS MARLU TYCOON.....*		2	13	1-56	18	3.5	10,218	4.78	488	0	33	+433	-.06	+16	+26
11-16-62 553245 2299123 5-73					19		8,878	4.92	437						
602125 MILESTONE BAS LAO.....*		2	28	1-72	35	1.8	8,797	4.54	399	0	30	-150	-.01	-8	-11
05-16-64 563805 2159506 5-73					104		9,313	4.56	425						
602175 GAYOSO OANOY SON.....*		1	42	1-65	42	1.8	7,529	4.74	357	7	27	-100	+.03	-2	-5
02-01-64 557122 2268004 5-73					90		7,761	4.64	360						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS HM/DAU	REC/DAU HEROMATE	MILK	% FAT	FAT	% 1ST INC	REPT %	PREDICTED DIFFERENCES MILK	% FAT	$$
602194 SLEEPER WINDER DIAMOND.....*		1	22	1-56	22	2.1	8,843	5.08	449	26	25	-11	+.02	+1
10-24-63 534585 2356542 5-73					39		8,855	5.01	444					0
602195 STAROUST BROWNYS TELSTAR.....*		5	39	1-93	48	1.9	10,206	5.10	521	30	31	-360	+.15	-5
04-03-64 556479 2288726 5-73					32		11,630	4.74	551					-15
602203 ROYAL LIBERATORS DANNY.....*		1	14	1-21	14	2.7	8,522	5.41	461	7	25	-234	+.11	-2
01-19-64 554125 2372759 5-73					9		9,485	5.00	474					-9
602217 MISTER NECESSITY.....*		2	11	1-92	13	1.7	8,857	5.33	472	54	23	-223	+.09	-3
05-12-61 556063 1879821 5-73					43		9,898	4.99	494					-9
602218 SEARCHLIGHTS SPARK.....*		3	23	1-92	29	2.3	10,053	5.09	512	14	31	-194	+.03	-7
10-14-62 579780 1796088 5-73					36		10,844	5.04	547					-12
602233 TEFFIAS GOLDEN JESTER.....*		1	14	1-43	14	1.8	6,848	5.40	370	46	23	-300	.00	-15
10-10-63 583828 2036471 5-73					27		8,074	5.44	439					-21
602245 WHITEHOLM SUPERB DESIGN.....*		2	23	2-11,13	25	1.9	9,275	5.05	468	30	27	-3	+.02	+2
01-20-64 553904 2322469 5-73					40		9,300	4.96	461					+2
602252 WOODMERE GIPSY JOE.....*		6	5	3-42,43,	13	1.6	9,390	4.98	468	9	32	+3	+.01	+1
09-24-64 599317 2116769 5-73				92	9		9,402	4.94	464					+1
602270 TOP HAT.....*		3	7	1-31	10	2.0	8,441	5.11	431	20	25	-266	+.01	-12
09-04-63 564209 1799259 5-73					29		9,525	5.09	485					-18
602281 DOUBLE ETTAS MILESTONE.....*		4	34	1-93	47	2.2	9,389	4.90	460	25	34	-24	-.04	-5
08-22-63 563805 1895838 5-73					29		9,491	5.06	480					-5
602283 FAVORITE SECRET TRIUMPH.....*	21-10	68	3	11-11,12,	135	2.4	10,562	4.87	514	9	87	+527	-.17	+10
06-14-64 553813 2117179 5-73				13,21,22	27		10,039	5.05	507					+24
602284 FAIR-WEATHER MERRY MASTER.....*		5	14	3-12,21,	23	2.7	9,121	5.62	513	0	35	-117	+.08	+1
01-21-64 553904 1918035 5-73				58	93		9,482	5.44	516					-3
602300 MISTY VALE HARVEST PRIDE.....*		3	18	1-21	22	2.3	9,119	5.01	457	27	29	-77	+.09	+4
09-22-64 552315 2393200 5-73					21		9,409	4.71	443					+1
602305 LEADER BLONDE SULTAN.....*		3	9	2-71,74	19	1.7	9,321	4.83	432	0	34	+24	.00	+1
08-15-64 557370 2290702 9-72					22		9,256	4.61	427					+2
602311 HEADSPRING MILESTONE REGENT...		1	24	1-55	24	1.5	7,002	4.96	347	27	24	-458	+.03	-20
01-15-64 553805 2329941 5-73					11		8,912	4.86	433					-30
602320 MILESTONE LOUISE LIBERATOR....*	23-09	34	5	7-21,23,	93	1.6	8,688	5.47	475	11	78	-477	+.34	+6
05-31-64 553805 2093213 5-73				31,50,51	18		9,310	5.03	468					-10
602329 MILESTONE OF OGSTON.....*		3	16	2-22,55	20	2.2	11,247	4.93	555	10	29	-39	+.05	+3
03-16-64 553805 2178460 5-73					73		11,631	4.75	553					+1
602339 CHAMPIONS CHALLENGER.....*		1	30	1-23	30	1.9	8,898	4.52	402	0	26	+105	-.09	-3
12-01-63 582140 2371773 5-73					30		8,416	4.91	413					+1
602342 HATFIELD EPIC ROYAL.....*		2	10	1-34	12	1.6	8,121	5.11	415	40	23	-53	+.03	0
11-25-63 588835 2069185 5-73					29		8,263	4.95	409					-2
602344 BLANTON LORD CHAMPION.....*		2	27	2-55,56	29	2.3	9,887	4.99	493	14	28	-73	+.02	-2
01-16-64 537666 2066322 5-73					57		10,255	4.95	508					-4
602378 GIL-BAR ETTA BASILEUS.....*		3	21	1-35	26	1.9	8,226	5.19	427	16	30	-204	+.07	-4
02-29-64 590777 2181453 5-73					19		8,881	4.99	443					-9
602380 GOLDEN ETTA MINT.....*		1	12	1-58	12	2.9	9,808	4.62	453	9	25	-40	-.02	-4
08-02-63 555141 2347983 5-73					32		10,060	4.74	477					-4
602384 CRITERION LEADER SUPREME.....*		1	41	1-42	41	1.2	8,241	4.88	402	**	24	+191	-.02	+8
06-12-64 597562 2388709 5-73					14		7,247	4.95	359					+12
602405 GOLDEN ETTA SLEEPERMAN.....*		5	15	3-31,32,	30	2.5	8,907	5.10	454	3	40	-134	+.01	-6
10-03-64 555141 2123927 5-73				58	27		9,246	5.13	474					-9
602419 TENN CONFIDENT H O O LAD.....		1	35	1-63	35	2.2	10,038	5.19	521	6	28	+82	+.03	+7
07-21-64 549809 2376904 5-73					23		9,798	5.08	498					+8
602430 JESTER NOBLE JOE.....*		6	7	4-41,43,	20	1.9	9,928	5.18	514	17	40	+247	+.03	+15
01-22-64 542372 1903926 5-73				72,73	13		9,315	5.14	479					+20
602434 MILESTONE MEMENTO ANSOM.....*		4	46	2-35,74	52	2.4	10,610	5.35	568	8	31	+371	+.02	+20
01-08-61 584285 2299124 5-73					44		9,438	5.37	507					+28
602435 MILESTONE MEMENTO BAS.....*		1	24	1-74	24	1.9	9,103	5.14	468	17	25	-217	-.06	-16
03-01-63 586774 2299124 1-73					53		10,053	5.42	545					-20
602440 MARLU MILAD MERIT.....*		2	25	1-86	29	1.5	10,257	4.98	511	24	26	-102	+.06	0
06-14-64 589069 2290033 1-73					26		10,811	4.78	517					-3
602477 CHAMPIONS JEWEL ENVOY.....*		5	19	2-91,92	44	2.3	10,958	4.83	529	10	45	+268	-.11	+3
06-02-62 519828 1604397 5-73					33		10,488	5.05	530					+11
602482 SLEEPING STAR KING.....*		15	9	11-21,31,	43	1.8	10,671	4.81	513	18	55	+375	-.11	+8
09-28-64 591239 2365309 5-73				42,48,86	21		10,069	4.99	502					+18
602486 BEAUTYS KNIGHT.....*		3	5	1-63	10	3.0	10,540	5.07	534	11	32	-104	+.02	-3
02-15-64 553149 2357089 5-73					40		11,057	5.03	556					-6
602493 HANOSOME BRAVO JESTER.....*		8	2	4-23,42,	11	1.6	7,343	5.07	372	11	37	-471	+.06	-18
09-02-64 597325 2340581 5-73				61,85	30		8,544	4.92	420					-29
602500 TRISTRAMS FAVORITE MOON.....*		1	19	1-14	19	1.9	9,026	5.38	486	6	25	+153	+.04	+11
03-20-64 563813 2295083 5-73					24		8,314	5.29	440					+14
602513 TRANQUILLITY SECRET ROYAL BASI*		2	16	1-14	20	1.6	10,352	5.22	540	18	26	+191	+.03	+12
09-13-64 552571 2305701 5-73					25		9,673	5.17	500					+16
602517 SABLES SYBIL IRA.....*	21-10	13	2	3-13,21,	19	2.6	10,201	4.82	492	11	52	+206	-.10	+1
11-20-64 585348 2160709 5-73				63	24		9,874	5.00	494					+7
602544 HILL SPRING AMBAS ALADDIN.....*		1	17	1-31	17	1.9	7,173	5.00	359	8	24	-32	+.01	-1
03-11-64 575184 2187108 5-73					11		7,100	5.03	357					-2
602545 HILL SPRING BLONDE DREAMER....*		1	10	1-31	10	1.7	7,713	5.07	391	0	21	+53	+.01	+4
11-12-64 578330 2516112 1-73					13		7,255	4.96	360					+5
602574 SPARKLE RING MAN SECRET.....*		6	9	5-11,12,	17	2.5	11,181	4.67	522	6	35	+384	-.14	+6
08-22-64 580702 2193865 5-73				13,21,56	29		10,186	5.00	509					+17
602577 ANSOM DESIGNING CONFIDENCE....*		4	15	2-55,56	20	2.0	9,700	5.14	499	11	29	-29	.00	-1
06-01-63 592718 2068811 5-73					74		9,869	5.17	510					-2
602580 HATFIELD MILESTONE.....*		4	5	2-23,34	10	1.6	8,905	4.75	423	50	26	+37	-.04	-2
03-04-64 553805 2181103 1-73					13		8,716	4.93	430					-1
602583 BASIL JOHNNY SOUVENIR MILESTON*		5	6	3-23,31,	21	2.2	10,052	4.64	466	5	43	+242	-.12	+1
02-19-64 563805 2374878 5-73				74	44		9,526	4.87	464					+8

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HO	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS HM/DAU	REC/DAU HERDMATE	MILK	%	FAT	% 1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
602605 WARSPITE MORRIS SUPREME VISITO*		2	16	1-71	20	1.7	7,165	4.61	330	12	27	-171	-.01	-9	-13
10-09-64 600002 2404302 5-73					13		7,656	4.69	359						
602608 PEERLESS SPARKLING ROYALIST...*		2	23	1-14	25	2.6	8,880	5.15	457	5	29	+213	-.06	+5	+11
C1-11-64 596406 2211043 5-73					19		8,031	5.43	436						
602621 MILESTONE JOLLY SAM.....*		5	14	3-12,13,	34	2.0	10,605	5.04	534	18	42	+247	+.03	+15	+20
C5-02-54 553805 2431723 5-73				16	30		10,107	4.99	504						
602625 H V ADVANCER ACTOR.....*		3	30	1-55	57	2.3	9,264	4.95	459	19	41	-16	-.02	-2	-2
C5-17-64 553813 2305892 5-73					157		9,302	5.02	467						
602630 MONTYS AMBASSADOR.....*		2	10	2-13,21	12	2.1	11,520	4.98	574	9	25	+187	-.09	+1	+6
10-11-64 575184 2359225 5-73					55		10,947	5.32	582						
602636 ADVANCER SPARKLING VOL. BART..*	21-16	18	1	4-12,13,	21	2.8	10,971	4.82	529	5	59	+473	-.15	+9	+22
C3-26-64 469101 2233394 5-73				21,56	22		10,271	5.06	520						
602638 LAWN ACRES FAVORITE ADVANCER..		5	19	2-12,13	28	1.6	10,347	4.91	508	4	31	+17	+.01	+2	+2
04-26-54 553813 2247598 5-73					32		10,412	4.85	505						
602647 ODN HEAD RECORDS GEM.....*		8	6	1-74	29	1.7	7,449	4.71	351	10	49	-534	+.06	-21	-33
C3-13-63 598187 010211434 5-73					77		8,462	4.60	389						
602650 MILESTONES BELLRINGER.....	93-16	21	6	7-63,88,	63	1.6	9,776	5.12	501	14	68	-280	+.16	0	-8
C5-10-54 553805 2035710 5-73				91,92,93	33		10,299	4.93	508						
602654 CONDUCTOR.....*	91-13	54	5	9-41,42,	133	1.3	9,978	5.00	499	21	82	-411	-.09	-28	-35
C5-28-54 553805 2302871 5-73				48,91,92	28		10,625	5.11	543						
602656 MILESTONE BASIL GOLDEN.....*		3	17	2-63,64	36	1.9	8,195	4.92	403	26	40	-606	+.04	-27	-41
C7-05-64 553805 1942645 5-73					46		9,790	4.87	477						
602657 MAYFIELD MILESTONE PROSPECTOR.*		1	26	1-31	26	1.7	9,587	4.79	459	5	25	+210	-.04	+7	+12
C7-12-64 553805 2211839 5-73					32		8,695	4.91	427						
602658 MILESTONES GENERATOR.....*	35-75	29	36	17-21,52,	142	1.8	11,574	4.50	521	5	58	+1,169	-.27	+30	+60
C9-03-64 553805 2147377 5-73				54,63,64	68		9,599	4.90	470						
602659 MILESTONES HAVESTER.....*		3	9	3-58,61,	12	2.2	9,401	4.77	448	18	27	+15	-.02	-1	0
11-22-64 563805 2060773 5-73				74	24		9,363	4.85	454						
602672 ROYALIST MYLADY FAVOR.....*		1	29	1-74	29	2.3	9,829	4.73	465	7	27	-41	.00	-2	-3
C1-19-54 553805 2237232 5-73					35		10,070	4.75	478						
602673 COMMANDO BIG BOY STANDARD.....*		2	15	1-74	17	2.2	8,841	4.43	392	24	27	-215	-.01	-12	-16
C4-26-64 574191 2175835 5-73					24		9,701	4.51	438						
602696 ADVANCER SLEEPING RADAR LORD..*		1	22	1-55	22	2.1	8,249	4.91	405	18	26	-123	+.02	-4	-7
C9-25-64 534585 2328721 5-73					31		8,674	4.83	419						
602703 MILESTONE PINNY EPIC.....*		2	7	1-34	10	1.6	7,737	5.82	450	20	24	-137	+.11	+3	-2
C7-10-64 588835 2353596 9-72					30		8,212	5.28	434						
602732 BARBARAS SLEEPER.....*		18	26	12-32,33,	157	1.7	9,000	5.07	456	11	67	-460	+.03	-20	-30
C7-05-54 534585 1956106 5-73				48,63,64	27		9,740	5.04	491						
602734 LEXINGTON FARM RELIANCE.....*		1	15	1-13	15	2.1	11,468	4.88	560	7	24	+171	-.09	0	+5
C8-24-54 557682 2142543 5-73					14		10,931	5.25	574						
602754 SECRET BARONET.....*	31-02	40	9	13-31,54,	112	1.9	10,496	5.11	536	9	76	+781	.00	+39	+56
C9-14-64 497574 1786161 5-73				63,72,91	23		9,498	5.13	487						
602759 HETHERINGTON GOLDEN ETTA NOBLE		1	42	1-34	42	2.0	10,571	4.92	520	9	28	+46	-.09	-6	-4
C6-28-64 555141 2161005 5-73					21		10,538	5.27	555						
602795 MARLU MILESTONE PENNANT.....*	23-13	18	4	5-12,13,	40	1.9	8,964	5.29	474	17	64	-533	+.21	-8	-23
12-20-54 553805 1726397 5-73				21,22,23	19		9,862	4.99	492						
602799 JESTER BASIL HARRY.....*		2	9	1-31	11	2.7	7,061	5.81	410	10	26	-280	+.10	-5	-13
C1-04-63 591348 2078451 5-73					30		8,038	5.37	432						
602821 SLEEPER ADVANCER BEAUTY.....*		2	27	1-93	29	1.9	8,422	5.31	447	21	27	-190	+.08	-2	-7
C8-25-54 534585 2393648 5-73					159		9,121	5.02	458						
602827 BEACON SELECT.....		1	29	1-63	29	2.1	8,601	5.10	439	15	27	-111	+.03	-3	-6
C7-03-64 573071 2292119 5-73					45		9,001	5.03	453						
602832 ROYAL ELVA BASILDA.....*		1	13	1-32	13	2.0	8,943	5.11	457	0	23	-143	+.02	-5	-8
11-12-54 554125 2381061 5-73					10		9,605	5.05	485						
602834 JESTER FAVORITE JIM.....*		1	39	1-41	39	2.0	9,309	5.12	477	5	27	-36	+.02	0	-1
10-20-64 576049 2169351 5-73					10		9,472	5.10	483						
602853 MILESTONE TRIUMPH SUPREME.....*		4	43	1-56	74	2.0	10,793	5.15	556	6	40	+14	-.01	0	0
C2-16-64 553805 1963511 5-73					89		10,930	5.19	567						
602854 ANSOM SIGNAL PRINCE.....*		5	20	2-56,57	34	2.0	10,207	5.30	541	20	37	-114	+.06	0	-3
C7-30-64 592718 2068811 5-73					100		10,668	5.17	552						
602856 G H PEARL NOBLE.....*		6	5	2-13,14	13	2.1	10,070	5.06	510	29	34	+1	-.04	-4	-3
C7-24-54 546137 2120894 5-73					21		10,165	5.23	532						
602858 SUNBEAM KEY CHARMER.....*		7	7	6-12,22,	23	1.8	8,524	5.13	437	19	44	-324	+.09	-8	-16
C8-18-64 553805 2188743 5-73				33,55,58	27		9,271	4.93	457						
602895 SECRET SENTINEL SALUTE.....		6	8	1-42	37	2.2	9,991	5.03	503	9	54	-119	-.02	-8	-10
C8-26-64 497574 1975152 5-73					24		10,327	5.10	527						
602896 FAVORITE TRISTRAM ENVOY.....*		2	21	1-21	23	2.0	9,677	5.03	487	5	27	-278	+.12	-3	-11
C9-17-64 553813 2365856 1-73					24		10,890	4.64	505						
602903 ERGO.....*		1	16	1-84	16	2.0	9,207	4.87	448	7	24	+17	-.04	-3	-2
04-11-54 591495 2305066 5-73					47		9,131	5.08	464						
602908 SUPERBS GALAHAD.....*		1	17	1-33	17	1.7	6,652	5.28	351	35	23	-186	+.03	-7	-11
C3-07-54 553904 2319795 5-73					23		7,274	5.21	379						
602916 C J F LIBERATORS ENVOY.....*		3	22	2-73,74	39	2.1	8,260	5.24	433	22	38	-365	+.07	-12	-21
C1-07-65 554125 2140484 5-73					40		9,231	5.07	468						
602939 MARLU MILESTONE WARLORD.....		2	17	1-93	19	1.5	9,789	5.15	504	**	25	+291	+.03	+17	+23
09-06-64 600002 2274254 5-73					3		8,550	5.04	431						
602943 SILKEN REMUS GLEN.....		2	11	1-92	14	2.5	9,721	5.44	529	0	28	+37	+.08	+9	+9
03-10-64 583144 2288084 5-73					25		9,632	5.18	499						
602950 SOJNO ETTA ADVANCER.....*		4	11	2-31,33	16	1.8	9,552	5.17	494	43	28	-74	+.06	+2	-1
07-24-63 596502 2391126 5-73					11		9,884	4.98	492						
602953 KUNKELS M. NOBLE AIM.....*		1	13	1-73	13	2.5	7,993	4.97	397	0	24	-41	+.01	-1	-2
07-23-53 542372 2413850 5-73					22		8,054	4.97	400						
602956 LUAS RADARS LAD.....*		1	13	1-64	13	1.9	5,997	5.45	327	42	23	-425	+.04	-18	-28
08-21-64 573617 2402286 5-73					66		7,734	5.22	404						

REGISTRATION NUMBER NAME OF SIRE	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS	REC/DAU HM/DAU	MILK HERDMATE	% MILK	FAT	% FAT	% 1ST INC	REPT	% MILK	PREDICTED DIFFERENCES % FAT	$$
602961 ADV. GOLDEN SLEEPER DESIGN....*		3	5	2-33,42	10	2.1	7,215	5.17	373	0	28	-312	+.06	-10	-18
02-28-64 534585 2293194 5-73					17		8,219	4.95	407						
602971 TRISTRAM DESIGN DELIGHT DUKE..*		5	37	1-21	46	1.9	8,022	4.99	400	13	32	-140	-.01	-8	-11
09-27-64 553813 2025204 5-73					35		8,386	5.08	426						
602984 AMBASSADORS BARNEY.....*		2	45	1-63	47	1.8	8,687	4.79	416	**	28	+301	-.04	+11	+18
12-04-63 575184 2402946 1-73					4		7,419	4.93	366						
602995 SIGNAL OBSERVER LOUIS.....		4	17	1-91	33	2.3	10,173	4.97	506	5	39	-28	.00	-1	-2
10-18-60 553236 2280011 5-73					17		10,362	4.99	517						
602997 MAPLEDALES FAVORITE SUPERB....		3	9	1-13	14	2.1	9,215	5.04	464	20	29	-280	.00	-14	-20
03-17-64 594969 2252565 5-73					21		10,277	5.08	522						
603008 GOLDEN ETTA STAR COMMANDO.....		5	12	2-13,58	35	2.3	9,210	4.58	422	0	47	-8	-.07	-7	-6
11-22-62 555141 2016194 5-73					50		9,233	4.72	436						
603010 ADVANCER REMUS FOXY.....*		2	12	1-65	20	1.3	6,368	4.96	316	**	30	-372	+.05	-14	-23
11-01-61 534585 1518592 5-73					13		7,448	4.79	357						
603029 TENN CONFIDENT H D A LAD.....*	63-03	2	9	1-63	12	2.3	11,167	4.83	539	25	27	-26	-.02	-3	-3
07-06-64 549809 2330329 5-73					50		11,499	4.91	565						
603032 WALNUT SLEEPING JESTER.....*		1	18	1-31	18	2.3	10,345	4.34	449	11	26	+446	-.15	+8	+20
07-24-64 590317 2066252 5-73					29		8,535	4.83	412						
603044 JESTERMANS JOLLY PLAYBOY.....*		3	25	1-92	47	2.2	11,027	5.17	570	13	41	+193	-.03	+7	+12
07-23-64 591673 2387975 5-73					18		10,707	5.27	564						
603072 HEADSPRING SPARKLE.....*	61-02	16	3	4-31,61,	29	1.7	8,594	5.06	435	15	59	-474	+.09	-16	-27
11-29-64 575184 2248592 5-73				63,74	26		9,423	4.92	464						
603093 PECAN GROVE ANSOM ROBIN.....*		1	21	1-65	21	2.1	8,187	4.92	403	5	26	-478	+.05	-19	-30
11-27-64 591905 2355621 5-73					22		10,139	4.76	483						
603095 REFSKILS ADVANCER JOLLY.....*		5	6	1-92	14	1.9	10,845	4.55	493	22	33	+259	-.14	0	+8
07-08-64 595483 2459394 5-73					25		10,162	4.89	497						
603096 TENN CHERRY H G H LAD.....		1	13	1-63	13	1.2	9,145	4.65	425	27	20	+184	-.02	+7	+11
11-13-64 546137 2304717 1-73					5		8,097	4.68	379						
603102 MILAOS MILESTONE TOPPER.....*		6	23	1-34	40	1.6	7,355	5.45	401	26	36	-282	+.07	-8	-15
06-08-64 589069 2341881 5-73					14		8,035	5.26	423						
603109 BEAUTYS SLEEPING B.....*	31-07	8	6	2-63,65	35	2.3	9,303	5.17	481	6	56	+96	+.06	+10	+11
11-17-64 553149 2347152 5-73					19		9,126	5.07	463						
603123 BEAUTYS MASTER ADVANCER O S.F.*		5	12	2-92,93	19	1.9	10,498	4.58	481	22	31	+62	-.10	-6	-3
01-18-65 553149 2464570 5-73					41		10,421	4.89	510						
603131 PIXYS TRISTRAM SQUIRE.....		1	17	1-41	17	2.5	7,857	5.24	412	0	26	-33	-.04	-5	-5
09-25-64 530104 2178934 5-73					3		7,853	5.49	431						
603132 PIXYS EAGLE FLYER.....		1	10	1-35	10	2.0	9,723	5.58	543	13	21	+125	+.05	+11	+13
12-22-64 581394 2454164 9-72					13		9,130	5.40	493						
603151 DURGIN KINGS MIDAS.....*		1	10	1-13	10	1.9	9,584	4.99	478	14	21	-177	-.05	-13	-16
10-17-64 598125 2105404 5-73					34		10,579	5.23	553						
603157 HETHERINGTON GOLD ETTA COMMAND*		3	11	2-35,42	23	2.0	8,247	5.24	432	5	38	-44	+.06	+3	+1
08-20-64 555141 2246294 5-73					7		8,273	5.09	421						
603166 PRUDENT DECISION.....*	35-21	7	17	2-42,64	36	2.2	9,361	5.06	474	12	42	+231	-.08	+4	+10
08-07-64 553805 2159502 5-73					25		8,764	5.31	465						
603178 BUTTERCUPS MARLU MILKMAN JOHN.		2	18	1-21	20	2.7	5,387	5.36	289	11	28	-490	+.12	-14	-26
03-08-61 550331 1785470 5-73					12		6,898	4.78	330						
603192 FAIRVIEW SABLES MOUNTAINEER...*		7	12	5-21,31,	29	2.7	9,626	5.01	482	11	43	-199	+.03	-7	-12
01-13-64 556063 1918478 5-73				54,55,65	27		10,188	4.96	505						
603196 DREAMER LONE PINE CHIEF.....		1	22	1-35	22	1.4	9,038	4.70	425	25	23	-189	-.03	-12	-16
03-15-64 587809 2204401 5-73					19		9,930	4.85	482						
603198 MAJESTIC VICTORY.....*		2	18	1-74	30	1.7	12,794	4.81	616	3	33	+399	-.09	+11	+21
05-17-64 571911 2443912 5-73					31		11,866	5.02	596						
603199 VICTORY ROYAL ADVANCER.....*		2	10	1-48	19	2.1	10,367	5.08	527	0	35	+243	+.01	+13	+18
07-02-64 594030 2316556 5-73					20		9,731	5.08	494						
603200 SABLELUAS SUPREME VICTORY.....*		3	34	1-92	38	1.7	10,218	5.36	548	17	28	+4	+.08	+8	+7
08-31-64 571911 2316553 5-73					60		10,317	5.12	528						
603201 LADS SPORTING KNIGHT.....*		1	29	1-93	29	1.8	12,306	5.25	646	7	25	+205	+.01	+11	+15
10-01-64 592732 2453533 5-73					35		11,756	5.25	617						
603219 ALTA SUN DANGER PONCHO.....		1	21	1-93	21	2.1	8,933	5.28	472	29	25	-90	+.07	+2	-1
08-07-64 585397 2220376 5-73					158		9,303	5.00	465						
603226 MILADY LINDA SUPREME.....*		4	9	1-81	18	1.9	7,116	5.37	382	6	35	-210	+.05	-6	-11
04-25-64 556095 2044112 5-73					11		7,562	5.22	395						
603239 HATFIELD ADVANCER MILESTONE...*		1	13	1-34	13	1.5	9,300	5.47	509	8	22	-66	+.06	+2	0
12-24-64 553805 2452001 5-73					19		9,658	5.22	504						
603251 SLEEPING BASIL.....*		5	9	3-42,56,	24	1.6	8,513	5.22	444	27	38	-60	+.01	-2	-3
11-05-64 534585 2306287 5-73				57	55		8,613	5.22	450						
603252 MILESTONE DIAMOND COMMANDO....*		1	17	1-64	17	2.0	8,155	4.77	389	14	24	-104	+.01	-4	-6
12-09-64 553805 2057455 5-73					5		8,521	4.75	405						
603277 DREAMING STAR OF MOR-DALE.....		1	16	1-93	16	1.6	11,125	5.08	565	**	23	+132	.00	+7	+10
01-19-65 591131 2309982 5-73					9		10,702	5.07	543						
603289 PIXYS KEYSTONE.....*		5	22	2-35,47	31	1.9	11,523	5.04	581	7	33	+97	.00	+5	+7
07-29-64 553805 1968775 5-73					27		11,449	5.03	576						
603303 C.B. ETTA STAR GARY.....*		3	12	1-93	16	1.5	10,459	5.51	576	19	26	-97	+.05	0	-3
01-03-65 593783 2088260 5-73					18		11,026	5.34	589						
603304 C.B. ETTA STAR BARON.....*		5	4	2-91,93	12	1.3	10,005	5.17	517	25	33	-166	+.03	-6	-10
01-05-65 593783 2469150 5-73					26		10,667	5.14	548						
603323 ITASKAS VICTOR.....*		2	13	1-33	15	2.1	6,615	5.15	341	13	26	-295	+.04	-11	-18
02-17-65 597577 2066031 5-73					17		7,574	4.98	377						
603327 GLADYS SECRET SAGE.....*		3	15	1-23	22	2.1	10,480	5.22	547	9	32	+236	+.07	+18	+22
10-01-64 591297 2372174 5-73					11		9,791	5.04	493						
603335 CHAMPIONS DOUBLE CURLEY LADDIE*		1	18	1-82	18	2.6	10,174	5.37	546	14	26	-117	+.03	-3	-6
04-26-64 577237 2226105 5-73					14		10,782	5.30	571						
603345 Y-BROOK SPARKLING DASHER.....*		2	13	1-23	25	2.0	8,232	5.15	422	25	37	-407	+.09	-12	-22
11-03-64 599309 2459340 5-73					14		9,330	4.89	456						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS HM/DAU	REC/DAU HEROMATE	MILK	%	FAT	%	1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
603345 JESTER INFRED SCOTTY.....*	31-07	18	4	5-31,33,	44	2.0	9,900	4.98	493	15	67	+218	-.01	+10	+15
12-05-64 549809 2272450 5-73				61,63,74	29		9,614	5.00	481						
603360 NECESSITYS CHAMPION DOUBLE....*		2	7	2-84,93	10	2.0	6,703	5.48	367	0	25	-495	+.10	-16	-28
09-05-63 602217 2264094 5-73					53		8,649	5.01	433						
603385 TRISTRAM MUSIC MAN.....		4	23	1-41	36	1.6	8,066	4.81	388	30	33	-132	-.04	-10	-12
07-07-64 584259 2157447 5-73					11		8,388	4.97	417						
603387 FAIR-WEATHER RAJAH.....*		8	20	4-13,14,	41	2.0	9,236	5.38	495	17	40	-82	.00	-4	-6
07-20-64 593920 2060989 5-73				21,56	88		9,434	5.44	513						
603402 SAND HILL GOLDEN BOY.....*		4	32	1-56	44	1.8	9,257	5.37	497	23	33	-85	+.04	-1	-3
11-11-64 574676 2066766 5-73					44		9,549	5.33	509						
603406 LIBERATORS DUKE.....*		9	11	5-43,47,	41	2.0	9,884	5.26	520	15	51	-236	+.12	-1	-8
04-03-64 564125 2166445 5-73				84,88,91	37		10,474	5.08	532						
603414 RELIABLE ITASKAS AIM.....*		1	21	1-63	21	1.3	7,675	4.87	374	**	23	-144	+.02	-5	-8
05-18-64 540688 2371357 5-73					36		8,221	4.79	394						
603459 TENN MAY 4 E A LAD.....		2	20	2-63,65	37	1.5	9,258	4.94	457	17	36	+96	+.01	+6	+8
08-24-64 553955 2145497 9-72					11		8,964	4.90	439						
603463 U K CHERRY KELVIN.....*	61-02	12	4	4-31,57,	22	2.0	10,882	5.12	557	10	50	+577	+.07	+36	+47
04-05-65 546137 2389189 5-73				61,63	28		9,784	4.98	487						
603492 TRANQUILLITY NOBLE MAGICIAN...*		1	16	1-13	16	2.3	8,544	5.36	458	6	25	-57	+.04	+1	-1
05-07-65 546137 2215594 5-73					11		8,725	5.21	455						
603511 TRINITYS SOLOEN ANCHOR.....		2	24	1-56	26	1.9	9,410	5.20	489	0	27	+15	+.09	+9	+8
08-28-64 574676 2414136 5-73					34		9,373	4.84	454						
603537 MILADY MAIDEN FAVOR.....*		4	25	2-61,65	42	1.7	8,914	4.88	435	11	36	-189	.00	-9	-13
12-07-64 553805 2175807 5-73					79		9,462	4.88	462						
603542 BORGS GOLDEN AVONDALE.....*		5	3	2-35,41	10	2.0	9,116	5.25	479	0	34	-118	+.06	0	-4
05-06-64 555141 2220704 5-73					13		9,496	5.05	480						
603553 ROSETTES COMMANDO OF P.H.F....*		3	16	1-11	21	2.1	11,043	5.12	565	15	30	+204	+.02	+12	+16
11-04-64 556063 2336007 5-73					21		10,492	5.08	533						
603571 LASHBROOKE BEACON BAS.....		2	23	1-63	25	1.7	9,713	4.88	474	8	26	-179	+.02	-7	-11
02-11-65 586681 2452641 5-73					34		10,548	4.84	510						
603592 JESTER LAV LAD.....		1	14	1-42	14	1.6	6,157	5.16	318	31	22	-304	+.05	-11	-18
08-15-64 542372 2461191 5-73					8		7,346	4.97	365						
603611 PENNYS POMPOUS PRIDE.....*		2	7	1-63	10	1.4	7,019	5.06	355	14	23	-75	+.02	-2	-4
11-16-63 590494 2066858 1-73					54		7,138	5.04	360						
603612 VALIANT ETTAS 8.G.8.....		1	41	1-32	41	2.2	8,506	5.07	431	18	28	+160	-.04	+4	+8
08-31-64 595732 2469046 5-73					19		7,792	5.27	411						
603622 VALIANT ROYAL AIM LAD.....		1	12	1-31	12	1.7	8,651	5.11	442	**	22	+206	+.04	+14	+18
07-03-64 584962 2307224 5-73					7		7,538	4.87	367						
603623 CHAMPION HOBO TEST.....*		3	17	1-21	22	1.9	9,827	5.16	507	18	29	-71	+.07	+3	0
08-23-64 553904 2394937 5-73					21		10,171	4.94	502						
603631 TORONO MARLU PRINCE.....*		2	38	2-55,56	42	2.3	10,950	5.21	570	0	30	+212	.00	+11	+15
12-11-64 571911 2445789 5-73					61		10,369	5.22	541						
603654 SLEEPING SOLOEN JESTER.....*		2	8	1-61	10	1.7	8,484	4.89	415	0	23	+30	-.02	0	+1
03-28-65 534585 2263840 9-72					17		8,257	5.05	417						
603659 BEACON P SIR BEACON.....		2	8	2-33,63	10	1.9	8,930	5.15	460	13	24	+17	+.05	+5	+5
02-20-64 554608 2246118 5-73					8		8,821	4.95	437						
603707 SIXTH-LADYSMAN.....*		2	14	1-33	22	2.1	11,106	4.97	552	11	32	+414	-.03	+18	+27
07-01-63 586263 2488424 5-73					9		9,875	5.06	500						
603710 CERES LADYSMAN.....*		5	12	2-33,42	22	2.4	7,350	5.40	397	14	36	-320	+.02	-14	-21
01-13-64 585431 2372961 5-73					23		8,134	5.38	438						
603715 COMMANDO MARIMAN.....*		1	14	1-32	14	1.6	9,014	4.52	407	0	22	-147	-.03	-10	-13
01-27-65 585937 2061754 5-73					27		9,736	4.67	455						
603767 CONFIDENT JEWELER.....*	61-02	22	3	6-31,33,	39	1.6	9,787	4.97	486	30	64	+298	-.02	+13	+20
02-15-65 549809 2242462 5-73				51,63,74	30		9,336	4.99	466						
603775 ADVANCER SLEEPING BASIL.....*		2	41	2-31,34	43	1.9	9,295	5.01	466	0	28	-17	+.04	+3	+2
11-12-64 534585 2441119 5-73					20		9,375	4.85	455						
603800 SABLE CHAMPION SIGNAL.....*		1	10	1-23	10	2.5	9,173	5.19	476	25	22	-166	+.07	-2	-7
12-30-62 585904 2137717 5-73					48		10,000	4.93	493						
603801 ROYAL AIM MASTERMAN.....*		2	34	1-21	36	1.3	6,411	5.01	321	24	25	-322	+.09	-8	-16
10-23-64 598527 2315414 5-73					15		7,512	4.58	344						
603809 KING B BASIL AIM.....*		2	9	2-32,91	11	2.1	8,807	5.21	459	10	24	-101	-.01	-6	-8
08-07-64 591239 2258323 5-73					14		9,229	5.30	489						
603842 MILESTONE BEAUS CRUSADER.....*		3	9	1-31	12	1.3	7,623	4.92	375	25	23	-168	-.01	-9	-12
07-01-64 597225 2255111 1-73					16		8,255	4.99	412						
603867 STAROJT BROWNYS STYLEMASTER..		1	37	1-93	37	1.6	8,674	4.78	415	36	25	-255	+.02	-11	-17
12-13-64 556479 2406844 5-73					33		9,735	4.77	464						
603869 STAROJT ITASKA DESIGNER A....*	91-13	42	3	6-41,63,	75	1.5	10,459	4.84	506	31	77	-48	-.15	-16	-15
04-30-65 555423 2288726 5-73				91,92,93	22		10,669	5.02	536						
603881 CHARMER GOLD GABRIEL.....*		1	19	1-21	19	1.7	8,479	5.22	443	22	24	-132	+.03	-4	-7
05-30-65 601805 2065526 5-73					14		9,019	5.17	466						
603906 JESTER DESIGNER CANDY BOY.....*		2	8	1-74	10	1.9	9,013	4.44	400	0	24	-152	-.04	-11	-14
10-16-64 597262 2221637 9-72					26		9,710	4.63	450						
603911 FAIRVIEW JESTERS GOLD.....*		1	14	1-54	14	2.6	8,098	5.29	428	21	25	-274	+.07	-7	-14
07-01-64 528332 2284218 5-73					14		9,223	5.00	461						
603959 SURVILLE MILESTONE STAR.....*		1	10	1-31	10	1.7	9,580	5.23	501	20	20	+42	-.02	0	+1
10-05-64 596407 2503352 1-73					13		9,390	5.38	505						
603977 BELVIDERE ADVANCER SNOWMAN....*		3	24	1-91	28	1.8	9,987	5.55	554	31	28	-260	+.12	-2	-10
06-27-64 571913 2278734 5-73					25		11,113	5.19	577						
604013 SOUND VICTOR.....*		4	8	4-32,34,	14	1.7	8,570	4.66	399	50	29	-43	-.05	-7	-7
07-01-63 596502 2244655 5-73				42,55	26		8,665	4.89	424						
604047 HOOF PRINTS GOLDEN BOY.....*		1	30	1-31	30	1.4	8,815	4.84	427	17	24	+46	-.02	0	+1
01-29-65 596407 2408330 5-73					32		8,560	4.95	424						
604050 SURVILLE NOBLE JESTER.....*		3	31	3-43,56,	35	1.6	7,508	5.49	412	12	27	-162	+.03	-5	-9
02-24-64 580776 2226245 5-73				85	24		7,995	5.39	431						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS HM/DAU	REC/DAU HEROMATE	MILK	%	FAT	% FAT	1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
604054 BELLS SPARKLE FOX.....*		1	55	1-65	55	1.5	8,238	4.52	372		17	26	+12	-.02	-1	0
12-16-62 520485 2327236 5-73					77		8,079	4.62	373							
604055 MILADYS JILL COMMANDO.....*		2	22	1-65	24	1.8	9,643	4.81	464		0	26	-10	-.01	-1	-1
04-10-63 577134 2106401 5-73					28		9,738	4.88	475							
604072 BEAUTYS MASTER STANDARD.....*		10	6	6-32,57, 58,61,85	24	1.8	8,165	4.64	379		55	45	-140	-.04	-11	-13
07-26-64 553149 1925522 5-73					30		8,398	4.76	400							
604086 HEADSPRING GALLANT.....*	91-13	2	38	2-52,56	40	2.4	12,686	4.99	633		6	30	+329	-.05	+12	+20
05-02-64 553805 2380278 5-73					116		11,843	5.12	606							
604097 Y-BROOK SPARKLING ELMER.....*		1	17	1-31	17	1.8	9,246	5.25	485		24	24	-86	+.05	0	-3
05-16-65 599309 2352301 5-73					10		9,663	5.09	492							
604102 MARLU STYLIST BEACON.....*	23-09	59	5	14-23,31, 43,50,58	160	1.6	8,863	4.92	436		20	86	-427	-.07	-27	-35
04-21-65 589136 2147381 5-73					23		9,381	5.01	470							
604125 CRITERION LEADING MILESTONE...*		2	12	1-43	14	2.0	9,448	4.70	444		7	25	+277	-.04	+10	+17
07-05-64 597562 2429931 5-73					46		8,260	4.83	399							
604138 BARBARAS BAS BEACON.....*		1	19	1-93	19	1.5	10,032	4.67	468		0	23	-10	-.09	-9	-8
12-17-64 580594 2159516 5-73					15		10,177	5.08	517							
604141 BEACON BAS MILESTONE BEAU.....*		6	5	3-31,34, 63	15	2.3	11,035	4.83	533		13	40	+174	-.05	+4	+9
04-07-65 573071 2487805 5-73					39		10,756	4.94	531							
604143 MAYFIELD MILESTONE BELLBOY....*		8	10	2-91,93	30	1.2	9,965	4.86	484		32	41	-73	-.05	-8	-9
06-02-65 553805 2035710 5-73					60		10,252	4.98	511							
604149 SUNSET ADVANCER DESIGN AIDE...*		2	10	1-57	12	2.2	8,503	5.12	435		33	24	-168	+.03	-5	-10
02-15-61 541866 1715822 9-72					47		9,197	5.05	464							
604160 ECHO LINDALE OIVIDEND.....*		4	11	1-48	22	2.4	10,396	5.03	523		0	39	+31	+.02	+3	+3
09-30-64 602723 D10349928 5-73					19		10,438	4.99	521							
604181 BEACON FORTUNE OF BASIL.....*		1	26	1-21	26	1.9	11,067	5.52	611		15	26	+252	+.08	+20	+24
04-20-65 574261 2105815 5-73					27		10,185	5.30	540							
604183 MARLU STYLIST WARRIOR.....*		3	34	1-71	63	1.7	8,327	4.92	410		5	39	-182	+.02	-7	-11
09-03-64 600002 2274261 5-73					11		8,747	4.88	427							
604184 MARLU STYLIST BASIL.....*		4	8	2-63,65	15	1.5	7,992	5.04	403		25	29	-175	+.03	-6	-10
12-02-64 589136 2108870 5-73					26		8,528	4.97	424							
604213 JESTER MARIES JESTER.....*		2	9	1-32	12	1.6	8,190	5.14	421		0	25	-241	+.09	-4	-11
09-13-64 591896 2528186 5-73					12		9,154	4.78	438							
604216 BORGS B ETTA JESTER.....*		3	7	2-42,48	12	1.7	8,735	4.85	424		10	28	-9	-.03	-3	-3
04-05-65 580594 2081625 5-73					10		8,725	4.99	435							
604218 ETTA SHINING STAR COMMANDO....*		1	27	1-23	27	1.6	7,651	5.21	399		26	24	-177	+.02	-7	-11
12-07-64 565141 2092112 5-73					14		8,307	5.16	429							
604295 STARMAKER.....*		17	4	14-12,13, 63,65,91	35	1.6	9,823	4.92	483		26	60	+162	-.04	+4	+8
05-01-65 565141 2354018 5-73					34		9,591	4.99	479							
604301 ACTORS FASHION LEADER.....		1	12	1-82	12	3.1	12,089	5.14	621		0	25	+558	-.01	+27	+39
08-16-63 557370 2277225 5-73					18		9,929	5.21	517							
604303 EXCELSIOR SABLE PRINCE.....*		2	8	1-73	15	2.1	6,822	4.49	306		13	33	-396	-.07	-26	-33
02-18-63 585358 2350155 5-73					14		7,911	4.80	380							
604309 SECRET REPORTER.....*		1	19	1-65	19	2.2	10,815	4.96	536		6	25	+216	.00	+11	+16
03-17-65 497574 2315011 5-73					16		10,041	4.96	498							
604310 HIGH LAWN VIKING.....*		3	9	1-88	20	2.1	11,411	4.67	533		16	37	-93	-.07	-11	-12
04-13-65 598752 2518398 5-73					37		11,940	4.82	576							
604311 HL CERES CHARMER.....*		1	11	1-14	11	1.6	10,631	5.13	545		27	21	-23	-.03	-4	-4
05-07-65 557569 2403917 5-73					82		10,917	5.34	583							
604312 CERES PROVIDER.....*		2	13	1-23	16	1.8	9,959	5.06	504		14	27	+31	-.01	+1	+2
05-20-65 557569 2315010 5-73					20		9,912	5.09	505							
604317 RENADA ZENITH MILESTONE.....		1	10	1-93	10	1.2	10,080	5.05	509		44	19	-193	+.02	-8	-12
01-25-65 584532 2536062 1-73					32		11,339	5.01	568							
604318 RENADA LIBERTY M.....*		3	21	1-88	26	1.6	9,575	5.13	491		0	28	-267	+.05	-9	-15
02-14-65 564125 2116641 5-73					36		10,669	5.01	535							
604338 ANSOM SOPHIA SIR.....*		3	13	2-41,56	18	1.7	8,334	5.20	433		18	28	-269	+.06	-8	-15
03-26-64 591906 1873054 5-73					18		9,296	5.00	465							
604343 SPLENDOR PROMOTER WINSTON.....		5	9	1-42	18	2.2	11,149	4.81	536		17	35	+377	-.10	+9	+19
01-30-65 559151 2442194 5-73					32		10,183	5.06	515							
604352 ROCKETS DESIGN TITAN.....*		1	15	1-42	15	1.4	5,896	4.82	284		**	22	-212	-.05	-15	-19
08-27-64 595393 2462764 5-73					10		6,617	5.24	347							
604361 BEAUTYS GOLDEN RECORDS.....*		1	25	1-64	25	1.8	9,379	4.76	446		16	26	-120	-.06	-11	-13
05-25-64 553149 2455313 5-73					32		9,924	4.99	495							
604404 ROYAL JOY MIKE.....*		1	13	1-41	13	2.1	8,582	4.98	427		**	24	+112	-.02	+4	+7
04-16-64 545078 2325646 5-73					8		7,983	5.05	403							
604416 SECRET ACTION.....		1	63	1-82	63	1.9	10,043	5.42	544		12	28	+127	+.02	+8	+10
09-25-64 497574 2440419 5-73					23		9,637	5.41	521							
604427 J.F.O. EMPIRE.....*	31-07	7	107	6-21,22, 23,63,74	130	1.5	10,526	4.95	521		9	31	+222	+.03	+14	+18
08-19-64 553805 2231590 5-73					72		9,879	4.84	478							
604434 SYBIL OWL EDWARD.....*		6	5	2-12,14	17	1.9	9,998	4.94	494		20	39	+78	-.08	-4	-1
03-20-64 528498 2169419 5-73					24		9,867	5.20	513							
604449 H V F SLEEPER JESTER SPORT....*		2	14	1-48	18	1.7	9,173	4.84	444		0	27	+79	-.05	-1	+2
01-26-66 534585 2453168 5-73					8		8,841	5.10	451							
604483 BOBS PRINCE DESIGN LINCOLN....*		1	14	1-11	14	1.7	10,676	4.69	501		29	22	+137	-.03	+4	+7
03-12-65 465966 2409798 5-73					7		10,159	4.77	485							
604485 SUPREME JEWEL JASON.....*		7	12	4-31,88, 91,92	28	1.8	9,482	5.35	507		24	38	-235	+.07	-5	-11
11-11-63 556095 1663105 5-73					24		10,196	5.21	531							
604486 LILLIAN SUPER8 BALOY.....*		2	15	1-91	17	2.0	9,047	5.22	472		13	26	-234	+.01	-11	-16
01-15-64 553904 2477063 5-73					22		10,043	5.23	525							
604528 ROYAL AIM PINNACLE.....*		1	14	1-21	14	1.0	8,694	5.12	445		**	19	-36	+.04	+2	+1
06-07-65 598527 2447942 5-73					51		8,848	4.89	433							
604554 BEAUTY M.A. WONDER.....*		1	22	1-56	22	1.7	7,918	4.87	386		15	24	-330	-.02	-18	-25
11-04-64 553149 2356542 5-73					36		9,281	4.99	463							
604567 CRITERION FASHION COMMANDO....*		1	14	1-82	14	2.1	8,829	5.15	455		0	24	+78	+.01	+5	+6
09-11-64 597562 2274595 5-73					20		8,427	5.14	433							

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES WD- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS	REC/DAU HM/DAU	HERDMATE	MILK	% MILK	FAT	% FAT	1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
604578 KEEPERS AMBASSADOR D S.F.....*		14	3	4-87,88,	24	1.8		8,805	5.07	446	14	55		-515	+.06	-20	-32
04-14-65 585748 2498564 5-73				92,93	27			9,812	4.97	488							
604591 BLUE RIDGE ROYAL STYLIST.....		1	15	1-91	15	1.7		10,701	4.98	533	0	23		-49	-.02	-4	-5
04-20-65 595253 2046590 5-73					30			11,108	5.08	564							
604607 MEADOSPRING SLEEPING GOLIATH...*	61-02	44	3	8-31,33,	80	1.4		9,146	4.99	456	19	77		+7	+.01	+1	+1
03-11-65 534585 2050922 5-73				61,74,85	22			9,130	4.97	454							
604618 DORCHESTER SIX-HUNDRED-PLUS...*		2	13	1-74	15	2.0		10,804	4.79	518	7	26		+205	+.03	+13	+17
04-18-65 575184 2534940 5-73					38			10,093	4.63	467							
604622 PIXYS FANCY UNICORN.....*		1	16	1-33	16	1.6		9,808	5.40	530	6	22		+182	+.10	+18	+20
01-21-65 556892 2150908 5-73					38			8,963	4.99	447							
604623 PIXYS FANCY VOYAGER.....*	21-10	38	2	10-11,13,	55	1.9		9,771	4.95	484	20	75		-193	+.01	-9	-13
01-26-65 556892 2269967 5-73				21,22,63	34			10,121	4.96	502							
604656 MARLU MILAO PERFECTION.....*		6	8	3-41,42,	26	1.6		8,288	5.37	445	48	43		-292	+.08	-7	-15
11-04-64 589069 2320879 5-73				56	26			8,945	5.18	463							
604657 GREEN ACRES SPARKLING IDEAL...*		2	22	1-23	29	1.8		8,841	4.72	417	34	30		+38	-.03	-1	0
03-30-65 556311 2378659 5-73					28			8,662	4.84	419							
604661 GOLDEN RIDGE SPARKLING ELMER..*		1	22	1-11	22	1.8		10,050	4.75	477	24	25		+84	-.05	0	+3
02-16-65 598929 2174175 5-73					24			9,768	4.93	482							
604694 VAUCLUSE SLEEPING SURVILLE....*	31-02	96	7	30-31,34,	289	1.2		10,249	5.04	517	9	89		+771	-.01	+37	+54
01-03-66 534585 1855112 5-73				43,48,74	35			9,403	5.07	477							
604707 MILESTONE WASHINGTON BEACON...*		12	2	5-12,13,	19	1.6		10,192	4.67	476	11	49		+249	-.18	-5	+3
02-22-65 553805 2472638 5-73				14,16,21	28			9,743	5.04	491							
604708 EPICS COMMANDO IVY MAJOR.....*		2	14	2-13,55	18	1.8		8,783	5.28	464	20	27		-40	+.02	0	-1
09-13-65 588835 2548297 5-73					22			8,904	5.22	465							
604716 FAVORITE JNRIVALED JOHNIE.....*		1	12	1-21	12	2.2		13,724	4.79	657	0	24		+519	-.07	+19	+31
08-19-65 553813 2044972 5-73					8			11,775	4.99	588							
604718 FAIR-WEATHER GEMINI.....*		1	11	1-23	11	1.9		7,556	5.17	391	27	22		-194	+.02	-8	-12
09-14-65 602285 2552549 1-73					15			8,377	5.15	431							
604742 BASIL SUPREME COMMANO.....*		4	5	2-91,92	15	2.5		10,154	5.10	518	0	41		-227	-.02	-13	-18
02-20-65 556395 2477394 5-73					14			10,886	5.17	563							
604743 JESTERMANS STANDARD BASIL.....*	91-13	68	8	10-41,63,	211	1.5		10,817	5.31	574	12	86		+220	+.17	+27	+29
03-06-65 561469 2005284 5-73				91,92,93	25			10,711	5.15	552							
604774 GOLDEN TOREADOR.....*		3	37	1-34	41	1.4		9,966	4.85	483	28	27		+277	-.06	+8	+15
03-21-65 594846 2535256 5-73					16			8,902	5.08	452							
604787 BURCHFIELD MARIGOLDS MILKMAN..*		2	31	1-65	33	1.9		10,495	5.07	532	4	28		+235	-.01	+11	+16
01-25-64 571246 2214220 5-73					39			9,692	5.10	494							
604802 HUTCHINSON FARM FAVORITE.....*		3	7	2-55,74	10	1.1		10,637	4.81	512	**	22		+195	.00	+10	+14
02-07-65 553813 1989133 5-73					45			9,810	4.78	469							
604804 MARLU TEMPO.....*	33-03	103	3	33-13,21,	211	1.5		9,171	4.79	439	14	90		-30	-.18	-18	-16
08-30-65 589069 2290033 5-73				23,31,63	24			9,206	5.00	460							
604815 STAROUST SURVILLE OIVIOENO....		2	17	1-93	19	1.4		8,034	5.29	425	0	24		-331	+.05	-12	-20
12-09-64 557569 2471941 5-73					28			9,436	5.11	482							
604818 BURCHMONT SUE REX.....*		1	13	1-55	13	2.0		7,117	5.06	360	0	23		-298	+.02	-13	-20
06-23-65 590682 2296210 5-73					20			8,306	5.01	416							
604821 FAVORITE SECRET DIRECTOR.....*		2	10	2-31,57	15	2.3		10,607	5.23	555	0	30		+471	-.04	+20	+31
05-09-65 553813 2068714 5-73					30			9,009	5.44	490							
604831 BROWNLANE EQUITYS ELITE.....*		1	21	1-11	21	1.7		8,099	4.95	401	43	24		-391	+.03	-17	-26
08-25-65 010131085 010369443 5-73					20			9,761	4.90	478							
604852 KARNA SECRET LUCK.....*		1	10	1-14	10	1.8		10,771	5.07	546	0	21		+36	-.05	-3	-1
08-04-65 578236 2023234 5-73					85			10,758	5.37	578							
604854 REGLI JOYCE SPARKLER.....		1	21	1-91	21	1.4		10,278	4.93	507	12	23		-45	-.01	-3	-4
06-29-65 600459 2504069 5-73					9			10,623	4.99	530							
604866 PIXYS MILESTONE FABULOUS.....		1	35	1-35	35	1.6		10,364	4.95	513	20	26		+199	-.02	+8	+13
06-28-65 563805 2358525 5-73					6			9,630	5.03	484							
604870 SUPREME HIGH HOPE.....*		1	25	1-56	25	1.6		8,499	4.78	406	33	24		-251	+.03	-10	-16
01-13-65 564209 2137341 5-73					127			9,583	4.70	450							
604891 FERRYLAND COMMANDO SATELLITE..*		1	18	1-92	18	3.1		9,388	5.33	500	6	27		+21	+.08	+8	+7
08-19-62 550331 2386280 5-73					18			9,320	5.06	472							
604898 BASIL NANCY BEAUTY.....*		3	8	1-65	13	1.5		8,376	4.88	409	44	27		-161	+.01	-7	-11
09-10-64 553149 2275355 5-73					24			8,957	4.87	436							
604901 VICTORY HOT LINE.....*		4	6	2-72,74	14	2.3		10,994	5.13	564	0	36		+133	-.03	+4	+7
03-12-63 541155 2443912 5-73					27			10,778	5.23	564							
604905 VICTORY PRICELESS VIEW.....*	35-75	2	18	1-74	20	2.2		13,921	5.46	760	0	26		+212	+.02	+12	+16
06-03-64 571911 2285626 5-73					28			13,551	5.48	743							
604909 VICTORY TIME DEPOSIT.....*	31-07	5	17	2-74,85	26	1.6		15,631	5.50	859	0	31		+935	+.07	+54	+73
09-04-64 594030 2443937 5-73					25			13,017	5.47	712							
604911 EXTRA PROVIDER.....*		2	14	1-21	16	1.6		8,557	4.74	406	8	25		-159	-.01	-9	-12
08-07-64 599862 2521490 5-73					10			9,193	4.82	443							
604918 ALADDINS GOLD.....*		6	5	4-21,31,	17	2.2		9,157	5.18	474	13	41		-147	+.08	0	-4
01-10-65 565141 2162186 5-73				54,55	22			9,554	4.98	476							
604929 ETTAS BASIC ADVANCER.....*		5	13	2-42,56	26	2.1		9,113	5.30	483	4	37		-70	+.07	+3	0
10-28-64 577289 2063515 5-73					16			9,316	5.12	477							
604934 ANONYMOUS.....*		1	33	1-33	33	2.1		9,590	4.83	463	25	27		-59	-.06	-8	-8
12-20-64 553149 2401764 5-73					18			9,879	5.05	499							
604935 MARLU VALOR WARSPITE.....*		4	20	2-55,56	27	2.2		11,934	4.65	555	30	32		+170	+.03	+11	+14
03-04-65 500002 2499082 5-73					67			11,645	4.54	529							
604940 BEATRICE SLEEPING ADVANCER....*		7	7	1-74	25	1.6		8,725	4.55	397	11	44		-105	-.01	-6	-8
01-19-65 590317 2311639 5-73					86			8,942	4.57	409							
604941 ETTA MILESTONE EPIC.....*		4	4	1-31	13	1.8		8,036	5.35	430	0	36		-353	+.11	-8	-17
01-24-64 588835 2315461 5-73					17			9,014	5.06	456							
604963 LAKEWOOD STANDARD.....*		4	13	2-72,74	18	1.4		8,749	4.63	405	12	27		-43	+.03	+1	0
02-08-65 594043 2380079 5-73					27			8,882	4.46	396							
605013 PATIENCE SUPREME.....*	61-02	16	4	3-52,54,	37	2.0		9,460	4.76	450	20	62		-226	-.25	-34	-35
03-15-65 587884 2536056 5-73				63	27			9,895	5.16	511							

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HO	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS HM/DAU	REC/DAU HEROMATE	MILK	% FAT	FAT	% 1ST LACT INC	% REPT	PREDICTED DIFFERENCES MILK	%	FAT	$$
605016 WHITEHALL CLARES GOVERNOR.....*		1	11	1-13	11	2.5	10,163	5.13	521	9	24	-73	+.09	+5	+2
10-13-65 559344 2278429 5-73					34		10,619	4.76	505						
605027 TRADEMARK SABLE COURAGEOUS....*		4	11	4-12,14,	16	1.4	8,993	5.13	461	38	27	-363	+.06	-13	-22
08-14-65 598320 1875659 5-73				21,23	24		10,455	4.95	518						
605058 MILESTONE DESIGNING TRIUMPH...*		1	19	1-56	19	2.1	10,395	5.12	532	11	25	-63	-.01	-4	-5
12-20-64 553805 2220462 5-73					101		10,811	5.19	561						
605060 ANSOM OBSERVER TRIUMPH.....*		3	12	1-56	16	1.6	10,515	5.10	536	0	26	-119	+.01	-5	-8
07-02-65 592718 2323885 5-73					91		11,172	5.10	570						
605071 MILESTONE OUSTY.....*		5	11	2-64,72	33	2.0	8,444	4.75	401	7	47	-346	-.01	-18	-25
04-06-65 553805 2393454 5-73					73		9,181	4.79	440						
605077 THE VIRGINIAN.....*		6	3	3-52,64,	12	1.5	9,098	4.65	423	17	35	-112	-.02	-7	-9
09-25-65 581199 2499924 5-73				72	75		9,447	4.71	445						
605078 SEMINOLES MIGHTY M.....*		4	3	2-63,64	13	2.1	8,537	4.73	404	8	38	-399	-.01	-21	-29
09-26-65 581199 2499911 5-73					48		9,625	4.79	461						
605111 MAPLELAWN COMMANDO QUINCY.....*		1	12	1-13	12	1.9	9,691	5.60	543	42	22	-114	+.07	+1	-3
10-31-65 556063 2532009 5-73					43		10,319	5.31	548						
605119 DREAMERS STANDARD SULTAN.....*		3	9	1-92	15	1.6	9,248	4.86	449	**	30	-42	+.01	-1	-2
12-17-64 576161 2188551 5-73					21		9,415	4.85	457						
605121 BARONS STANDARD BEN.....*		3	23	1-92	36	1.4	8,460	4.79	405	24	32	-409	.00	-20	-29
09-13-65 593574 2497006 5-73					17		9,796	4.82	472						
605135 GIL-BAR JESTER BAS.....*		1	23	1-35	23	1.3	8,592	4.74	407	38	23	-236	-.03	-14	-19
07-10-65 630540 1835152 5-73					17		9,684	4.89	474						
605142 FILLPAIL VALIANT OXFORD PRINCE*		1	12	1-42	12	1.4	4,794	4.92	236	8	20	-313	+.02	-14	-21
01-01-65 599463 1757490 5-73					9		6,012	4.91	295						
605187 TRISTRAM CENTURIAN.....		1	12	1-92	12	2.3	8,665	5.19	450	17	24	-219	-.02	-13	-17
08-29-65 602218 2340269 5-73					22		9,638	5.32	513						
605188 JERWOOD ADVANCER JO JO.....*		2	7	1-41	13	2.4	10,229	5.00	511	25	32	-3	.00	0	0
12-21-63 553813 2390858 5-73					19		10,357	5.03	521						
605189 ARCHITECT BEACON.....*		2	11	1-74	17	1.1	8,898	5.05	449	**	26	-128	.00	-6	-9
07-12-65 593882 2308418 5-73					53		9,413	5.08	478						
605190 FANFARE OF MARLU.....*	35-75	32	4	21-13,22,	55	1.9	9,030	5.34	482	10	71	-566	+.20	-11	-26
09-22-65 534585 2231590 5-73				23,31,74	37		9,898	5.08	503						
605193 SNOMANS DRACONIS JESTER.....*		1	10	1-21	10	1.9	7,957	5.11	407	20	21	-168	+.02	-7	-11
08-11-65 581199 2246945 1-73					30		8,708	5.09	443						
605208 TORONO LINDALE RALPH.....*		1	17	1-63	17	1.8	8,159	5.04	411	0	24	-38	+.01	-1	-2
05-10-65 602723 2436118 5-73					14		8,226	5.06	416						
605229 TISH FINALIST GLASS.....*		1	11	1-13	11	2.3	9,052	5.03	455	20	23	-31	-.05	-6	-6
10-29-65 577474 2344790 1-73					60		9,191	5.30	487						
605257 MARLU MILADY WARSPITE.....*		4	16	1-52	24	2.0	10,624	5.45	579	15	33	+189	+.11	+20	+22
01-08-65 600002 2361320 5-73					26		10,146	5.18	526						
605264 PRINCE UPLAND WILLIAM LAD.....		1	10	1-13	10	1.2	9,058	4.58	415	78	19	-65	+.01	-2	-4
10-10-65 571911 2397989 5-73					8		9,435	4.57	431						
605276 JESTER TRISTRAM EAGLE.....*		1	15	1-61	15	1.7	8,735	4.91	429	0	23	+99	.00	+5	+7
08-06-65 576049 2471001 5-73					28		8,201	4.91	403						
605278 BARBARAS KEYNOTER.....	93-16	5	13	2-92,93	41	1.1	9,576	4.82	462	20	44	-99	-.10	-14	-14
07-08-65 580594 2302871 5-73					31		9,872	5.06	500						
605282 JESTER SLEEPER ADVANCER.....*		2	9	1-93	14	1.8	11,046	4.84	535	0	29	+35	-.08	-6	-4
08-14-65 580594 2002341 5-73					26		11,116	5.15	572						
605283 FAVORITE FRIEND.....*	31-02	11	7	4-82,91,	38	1.5	12,686	5.03	638	6	54	+482	.00	+24	+34
09-01-65 553805 2147377 5-73				92,93	25		12,075	5.04	609						
605285 GREAT POTENTIAL.....		1	37	1-93	37	1.8	9,509	4.85	461	19	27	+17	-.03	-2	-1
10-16-65 597562 2487816 5-73					164		9,470	4.99	473						
605287 MILESTONES CAPABLE SON.....*		2	53	1-93	55	1.4	9,303	5.28	491	14	26	-225	+.09	-3	-9
12-17-65 553805 2159516 5-73					81		10,271	4.98	512						
605311 VENTURE.....*		1	22	1-56	22	2.2	13,102	5.01	657	14	26	+320	-.03	+13	+20
06-15-65 578330 2477747 5-73					124		12,178	5.12	624						
605322 BRIGHAM CROWNING RECORDS.....*		1	12	1-64	12	2.0	7,071	4.84	342	27	23	-297	.00	-15	-21
10-03-65 572730 2497389 5-73					58		8,300	4.89	406						
605332 U K REVIVAL JESTER BRAVO.....		1	26	1-61	26	1.9	12,436	4.57	568	12	26	+373	-.09	+10	+20
10-31-65 578382 2451472 5-73					52		11,197	4.79	536						
605334 BRIGHAM JUSTIN CHARGER.....*		1	14	1-34	14	1.3	9,627	5.17	498	21	21	+24	.00	+1	+2
09-14-65 556243 2331541 5-73					6		9,544	5.21	497						
605342 ROYAL GENERATION.....*		3	13	2-32,33	17	1.5	13,144	5.33	701	17	26	+570	+.07	+35	+46
01-01-65 585431 2541525 5-73					17		11,139	5.20	579						
605347 SLEEPING JESTER OF C.F.....*		1	15	1-33	15	1.7	9,882	5.29	523	15	23	-55	+.04	+1	-1
03-05-65 534585 2181623 5-73					39		10,228	5.12	524						
605351 BASILUA BELMONT.....*		1	14	1-65	14	1.1	7,829	4.45	348	29	20	-65	-.03	-6	-7
12-10-65 598989 2382028 5-73					84		8,043	4.64	373						
605357 MILADY ROCHETTE STYLE.....*		1	16	1-91	16	2.2	9,026	5.47	494	0	25	-56	+.05	+2	0
C4-08-64 595254 2390148 5-73					9		9,260	5.30	491						
605360 JESTERS ORCHIDS AFTERGLOW.....*	31-07	7	22	3-56,63,	33	1.7	11,458	4.77	547	3	33	+418	-.05	+16	+26
02-05-65 595406 2006985 5-73				64	29		10,283	4.90	504						
605361 MATTIES SLEEPER LOYAL.....		1	18	1-63	18	1.9	9,259	4.90	454	0	25	+45	-.02	0	+1
03-27-65 595854 2358797 5-73					57		9,063	5.03	456						
605376 POSYS ADVANCE.....		2	19	2-42,57	23	1.7	8,095	5.21	422	13	28	+30	+.01	+2	+3
08-01-65 599710 2527269 5-73					32		7,852	5.21	409						
605382 WILMINGTON MINUTE MAN.....*		1	13	1-31	13	1.5	7,159	5.07	363	23	21	-165	+.01	-7	-11
08-20-65 600719 2379427 5-73					11		7,799	5.06	395						
605392 BEACON SPARKLE SPARKIE.....*		2	9	1-48	12	1.6	9,741	5.04	491	0	25	-170	+.01	-8	-12
05-17-65 554156 2085447 5-73					22		10,557	5.05	533						
605401 PIXYS FANCY XENO.....*		1	27	1-41	27	1.8	7,713	5.02	387	13	25	-59	.00	-3	-4
C9-18-65 566892 2472650 5-73					8		7,809	5.06	395						
605409 CRITERION PEARL SIR.....		1	28	1-71	28	2.0	9,036	4.63	418	22	26	+53	-.06	-3	-1
12-18-64 597562 2453273 5-73					7		8,793	4.90	431						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER DF HERDS	EFF DAU /HD	STATES ND- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS	REC/DAU HERDMATE	MILK HM/DAU	% MILK	FAT %	% FAT	1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
605411 GRAHAM FARM CARDM BEACON.....*		10	13	2-35,74	52	1.9	8,059	4.55	367	9	54	-348	-.01	-18	-25
09-02-55 010121754 2137468 5-73					77		8,854	4.58	396						
605412 IMP DREAMING REVILLE.....*		8	4	2-74,93	23	2.0	7,664	4.44	340	13	51	-543	-.08	-34	-44
12-01-59 010008969 010069133 5-73					81		8,690	4.64	403						
605413 EDGELEA BONNIE DREAMER.....*		4	8	1-74	13	1.4	8,883	4.72	419	**	26	+29	+.02	+3	+3
09-07-63 605412 010322322 5-73					117		8,727	4.59	401						
605414 .....*		4	18	1-74	30	1.5	8,952	4.17	373	21	33	-142	-.11	-17	-18
5-73					44		9,408	4.52	425						
605418 BRENHAM BRAMPTON VALIANT PINN.*		2	29	1-74	31	2.8	8,060	4.80	387	**	30	-15	+.03	+2	+1
04-25-56 473905 1516974 5-73					72		7,994	4.63	370						
605426 BRENHAM JESSAMA STANDARD.....*		3	26	1-74	30	2.5	7,748	4.45	345	**	30	-150	-.04	-11	-14
08-14-59 534909 1790238 5-73					78		8,156	4.61	376						
605428 BRENHAM PORTIA BRAMPTON PINN..*		4	19	1-74	26	2.9	7,296	4.80	350	0	34	-323	+.06	-11	-19
03-14-61 605418 1922686 5-73					76		8,157	4.62	377						
605449 ADVANCER SYBIL TOM.....		1	23	1-93	23	1.0	11,090	4.82	534	**	21	+64	+.01	+4	+5
02-05-64 571913 2281464 5-73					17		10,957	4.73	519						
605450 ADVANCER MARLU CHIEF.....		2	13	1-93	15	1.5	10,310	5.19	535	27	24	-24	+.03	+2	+1
03-03-64 571913 2491238 5-73					8		10,551	5.06	534						
605468 BARBARAS IVANHOE SUM.....*		2	13	1-63	15	1.8	8,973	4.91	441	14	25	-194	.00	-10	-14
07-28-54 580594 2181799 5-73					33		9,817	4.99	490						
605469 BARBARAS BASIL PINNACLE.....*		1	13	1-63	13	2.1	7,494	4.88	366	0	24	-63	.00	-3	-4
09-13-64 580594 2303200 5-73					8		7,607	4.90	373						
605494 HAZELS DREAMING PRINCE.....*		1	14	1-41	14	2.8	9,309	4.57	425	14	25	+83	-.08	-3	0
03-04-64 587809 2181169 5-73					14		8,956	4.90	439						
605498 COLES FARM FAVORITE RUT.....*		2	9	1-23	15	1.6	7,747	5.20	403	22	29	-479	+.10	-15	-27
07-01-64 553813 2624700 5-73					6		9,458	4.87	461						
605508 TWIN VALLEY EPIC.....*		1	10	1-42	10	1.4	6,713	5.30	356	38	19	-301	+.06	-10	-17
01-28-64 588835 2100145 9-72					6		8,173	4.98	407						
605517 TRISTRAMS CHIEF JEWEL.....		1	35	1-86	35	1.9	9,727	4.74	461	21	27	-149	.00	-7	-10
03-07-65 553813 2304234 5-73					120		10,413	4.73	493						
605521 BORGS B ETTA PRECEPTOR.....*	31-02	15	2	4-31,34,	23	1.6	8,380	4.95	415	33	54	-299	-.07	-21	-26
06-05-65 580594 2356319 5-73				57,63	19		8,903	5.12	456						
605532 MARLU MILAD MYLAD SYMBOL.....*		5	3	3-21,23,	13	1.5	8,001	5.42	434	30	37	-375	+.11	-9	-19
06-03-65 589069 2518571 5-73				55	37		8,991	5.12	460						
605543 ROSEMONT PARKLAND SURVILLE....		4	3	2-92,93	10	1.1	10,574	4.79	506	0	28	+234	-.11	+1	+8
08-22-65 557569 2390139 5-73					38		9,783	5.17	506						
605550 CHAMPIONS DOUBLE MARTY.....*		3	18	2-82,85	22	1.6	10,849	5.16	560	14	27	+181	-.01	+8	+12
11-21-65 577237 2494967 5-73					18		10,277	5.24	539						
605596 ADVANCER SLEEPING JESTER BONUS*		3	7	1-63	14	2.1	9,172	4.75	436	30	33	+120	-.06	0	+4
09-31-63 534585 2275861 5-73					16		8,758	4.93	432						
605615 ATLASTA AMULET COMMANDO.....*		1	16	1-35	16	1.8	9,145	5.35	489	11	24	+44	+.04	+6	+6
06-05-64 592568 1971080 5-73					33		8,931	5.22	466						
605629 GIL-BAR COMMAND BAS.....*		1	19	1-35	19	1.2	8,228	5.03	414	17	22	+6	-.02	-2	-1
08-10-65 600540 2034336 5-73					27		8,088	5.25	425						
605636 MARLU MILAD MIDAS.....*		4	29	3-84,85,	40	1.7	8,866	5.00	443	28	31	-190	-.03	-12	-16
03-09-65 589069 2299113 5-73				88	34		9,506	5.12	487						
605638 MARLU MILAD PRINCE.....*		2	26	1-82	31	1.8	10,151	4.66	473	32	29	-103	+.05	-1	-4
08-29-65 589069 2360857 5-73					32		10,655	4.51	481						
605671 GRANDVIEW EPIC BOY.....*		1	14	1-91	14	2.2	9,181	5.29	486	23	24	-256	+.08	-6	-13
04-28-65 588835 2554245 5-73					21		10,367	5.04	522						
605677 VAUCLUSE DAZZLING ROSEMONT....*	91-13	39	3	8-41,82,	83	1.4	9,337	5.16	482	25	78	-656	+.15	-20	-36
11-28-55 596503 2428308 5-73				91,92,93	20		10,293	5.00	515						
605678 RADAR BRAMPTON BASIL BP.....*		1	16	1-82	16	1.9	7,321	4.75	348	9	24	-393	+.04	-16	-25
12-12-62 589814 2524765 5-73					9		8,959	4.65	417						
605679 CROWN.....*		2	9	1-73	16	2.2	7,584	4.91	372	7	33	-150	+.06	-2	-6
11-29-64 553805 2508125 5-73					10		7,917	4.69	371						
605698 RADAR J. AIM.....*		2	12	2-65,85	15	1.8	9,659	4.54	439	22	26	-162	-.02	-10	-13
06-25-64 590334 2508250 5-73					38		10,395	4.65	483						
605700 WALEBE EPIC NOMAD.....*		1	11	1-23	11	2.3	9,290	5.16	479	10	23	-20	-.03	-4	-4
12-03-63 588835 2396070 5-73					37		9,403	5.37	505						
605704 BONNYS CHAMPIONS DOUBLE.....		1	48	1-82	48	1.7	9,391	5.41	508	13	27	+199	+.02	+12	+16
06-03-65 577237 2225135 5-73					30		8,579	5.42	465						
605705 PAJLAS DAINTYS ADVANCER PAUL..		1	21	1-82	21	1.4	9,167	5.43	498	14	23	+32	+.05	+6	+6
06-03-65 551579 2326328 5-73					34		9,009	5.27	475						
605710 RUBYS BRILLIANT MILAD.....*		2	15	1-56	19	2.0	9,648	4.73	456	47	27	-378	+.02	-17	-25
06-25-54 589069 2380853 5-73					69		11,234	4.70	528						
605717 FERNHILL ETTA STAR.....*		1	10	1-31	10	1.1	8,285	5.29	438	30	18	-48	.00	-2	-3
10-13-65 551022 2493101 1-73					15		8,485	5.34	453						
605736 TIMBEREDGE BELINDAS BONANZA...	35-75	2	52	1-84	54	1.2	9,639	4.89	471	14	25	+29	.00	+1	+2
02-08-64 553813 2483869 5-73					51		9,561	4.89	468						
605748 BRIGHT BLONDE VICTOR.....*		3	7	2-73,74	15	1.7	8,348	5.31	443	17	32	-339	+.07	-11	-19
09-21-65 597577 2477754 5-73					48		9,424	5.10	481						
605762 BETTYS OXFORD LAD.....*		2	17	2-91,92	19	1.6	10,164	4.78	486	11	25	+5	.00	0	0
09-26-55 600961 2034246 5-73					41		10,247	4.83	495						
605782 GOLDUST SABLE SUPREME.....*		1	22	1-93	22	3.1	10,527	5.56	585	5	28	+167	+.07	+15	+17
08-11-63 594668 2347894 5-73					19		10,011	5.40	541						
605798 GOLDEN STAR QUEEN DESIGN.....*		3	8	1-56	14	1.6	10,096	5.19	524	8	29	-201	+.04	-6	-11
07-21-65 574676 2405447 5-73					99		10,963	5.09	558						
605819 MILESTONE MELANIE BOY.....*		1	17	1-63	17	3.2	9,070	4.72	428	0	27	+122	-.05	+1	+5
05-06-63 553805 1966693 5-73					12		8,554	4.90	419						
605825 MILADY BUTTERCUP EPIC.....*		1	11	1-23	11	1.6	10,772	5.38	579	0	21	+27	+.08	+9	+8
03-10-66 588835 2368597 5-73					9		10,801	5.04	544						
605836 L.C. MASTER PRINCE.....*	93-19	5	14	3-88,91,	31	1.3	13,356	4.84	646	17	36	+717	-.14	+22	+40
02-28-55 574191 2458763 5-73				93	33		11,599	5.16	598						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS	REC/DAU HM/DAU	HEROMATE	MILK	%	FAT	% 1ST INC	REPT	PREDICTED DIFFERENCES MILK	%	FAT	$$
605851 BELMONT LADYSMAN NOBLE.....*		1	25	1-63	25	1.5		7,287	4.69	342	28	24	-147	-.05	-12	-14
02-27-65 585937 2372961 5-73					18			7,759	5.03	390						
605874 MILK MONEYS VICTORIOUS VICTOR.		2	8	1-92	11	1.5		10,622	5.31	564	27	24	-291	+.10	-6	-14
11-17-65 597577 2444620 5-73					23			12,136	5.03	610						
605876 BELMONT FAVORITE JESTER.....*		1	21	1-33	21	1.5		8,703	4.86	423	21	24	-112	-.04	-9	-11
01-03-56 576049 2461217 5-73					12			9,173	5.06	464						
605878 MORRIS MILESTONE ANSOM VISITOR*		2	14	1-74	26	1.4		8,642	4.55	393	27	28	-183	+.06	-4	-9
08-08-65 553805 2380854 1-73					37			9,308	4.37	407						
605897 DOLLYS CHERRY BEACON.....*	21-10	35	2	8-11,12,	62	1.4		10,757	4.95	533	16	75	+715	-.06	+30	+46
12-24-65 546137 2421451 5-73				13,14,21	28			9,870	5.04	497						
605903 VAUCLUSE DAZZLING JESTER.....*		3	5	2-43,61	12	1.2		8,795	5.03	442	25	28	-224	+.05	-7	-13
07-12-65 596503 2383735 5-73					28			9,632	4.89	471						
605907 VAUCLUSE DAZZLING BRAVO.....*		2	12	2-32,61	15	1.7		8,052	5.14	414	0	26	-209	+.06	-5	-10
10-06-65 596503 2340581 5-73					7			8,817	4.92	434						
605911 ROYAL PRINCE TEFFIA.....*		3	9	1-41	13	1.3		8,227	5.38	443	23	24	-249	+.12	-2	-9
08-21-65 554265 2260907 5-73					14			9,277	4.90	455						
605959 BERNAS EPIC.....		5	11	2-88,93	30	1.6		11,820	5.12	605	4	42	+62	+.01	+4	+5
03-14-65 588835 2288966 5-73					36			11,948	5.12	612						
605990 FIR ISLAND PATTERN K. PRINCE..*		2	10	1-91	12	1.8		9,204	5.41	498	27	24	-333	+.09	-9	-17
06-23-63 552974 2204312 5-73					17			10,784	5.12	552						
605997 BEACON P DREAMSTER.....		2	11	1-33	13	1.9		7,690	5.05	388	13	25	-108	+.05	-1	-4
01-04-55 554608 2303162 5-73					19			8,006	4.87	390						
606095 MILESTONE PINN CASANOVA.....*	31-02	5	16	4-42,43,	35	1.9		10,925	5.19	567	0	40	+390	+.10	+29	+36
08-13-63 577026 2365518 5-73				71,85	47			10,037	4.96	498						
606102 LADOIES REGAL LOFTY STAR.....*		1	12	1-93	12	1.5		12,395	5.40	669	9	21	+125	+.05	+11	+13
09-19-65 591131 2230239 5-73					41			12,091	5.25	635						
606108 HAWAROEN JESTER PATTERN.....*		1	15	1-87	15	1.3		8,200	4.96	407	38	21	-224	+.01	-10	-15
06-22-65 576049 2501960 5-73					16			9,281	4.97	461						
606120 MILESTONE BEACON OANOY.....		2	14	1-82	16	1.8		10,137	5.14	521	6	25	-19	+.01	0	-1
07-15-65 598489 2330608 5-73					20			10,330	5.09	526						
606182 KEEP ON ESTELINE OBSERVER.....*		2	8	1-92	10	1.9		10,601	4.58	485	20	24	+36	-.07	-5	-3
03-16-64 592159 2405936 1-73					28			10,586	4.86	515						
606192 PIXYS IMPERIAL EIDER.....		1	10	1-41	10	1.9		8,246	5.14	424	0	21	-98	+.02	-3	-5
03-19-65 593406 2454727 5-73					24			8,652	5.11	442						
606215 COMMANOO EPIC MILKMAN.....*		2	7	2-50,51	10	1.6		6,382	5.05	322	40	24	-280	-.01	-15	-21
12-20-54 588835 2492654 1-73					15			7,374	5.19	383						
606255 SUNBEAM PRINCE SULTAN.....*		10	5	7-12,52,	30	2.2		8,476	4.72	400	7	55	-281	-.10	-23	-27
01-10-64 580853 2236651 5-73				55,58,74	36			8,964	4.92	441						
606262 MILESTONE BEACON RINGO.....		1	20	1-84	20	1.7		8,716	5.36	467	30	24	-181	+.10	0	-5
02-25-55 598489 2327851 5-73					64			9,509	4.97	473						
606264 CHERRY SECRET NOBLE.....*	21-10	39	1	10-11,12,	50	2.1		9,664	5.08	491	16	75	-314	+.09	-8	-16
08-08-65 546137 2305410 5-73				13,21,23	23			10,180	4.99	508						
606283 GIL-BAR ETTA BAS.....*		1	21	1-35	21	1.2		8,638	4.69	405	52	22	-60	-.03	-6	-7
12-07-55 600540 2449226 5-73					23			8,881	4.89	434						
606286 GEM ETTA STAR.....*		4	8	2-35,61	18	1.1		8,480	4.67	396	22	31	-391	-.10	-28	-35
03-08-66 555141 2176796 5-73					15			9,800	5.03	493						
606287 NATURAS NANS-MAN.....		3	8	1-33	11	1.6		11,674	4.71	550	9	25	+510	-.09	+17	+29
01-01-66 575184 2424213 5-73					12			9,707	5.02	487						
606292 TYMOR GIPSY SNOBALL.....*	31-02	22	3	9-31,57,	44	1.5		8,322	5.23	435	25	66	-595	+.11	-20	-34
09-04-55 581199 1976566 5-73				58,63,91	29			9,221	5.08	468						
606295 STAROUST SURVILLES RISING STAR*		1	23	1-43	23	1.2		7,734	4.87	377	48	22	-172	+.02	-7	-11
01-24-66 557569 2471936 5-73					42			8,429	4.83	407						
606321 SLEEPING ETTA STAR.....*		7	10	4-33,41,	20	1.3		7,172	5.05	362	8	32	-320	+.01	-15	-22
09-27-65 565141 2123927 5-73				57,63	30			8,074	5.07	409						
606336 LADYS GOLDEN SUN.....*		2	6	1-65	11	2.2		7,228	5.09	368	20	30	-297	+.08	-8	-16
05-17-65 574676 2306850 5-73					17			8,128	4.84	393						
606369 R.H.F. RULING PRINCE.....*		5	4	1-13	12	1.2		8,685	5.31	461	45	31	-143	+.13	+5	0
01-18-66 588267 2595919 5-73					24			9,144	4.87	445						
606388 BASIL LA PINE STANDARD.....*		1	18	1-92	18	1.4		8,419	4.87	410	**	22	-30	-.01	-2	-3
09-16-64 580308 2145400 5-73					54			8,484	4.93	418						
606442 PIXYS EAGLE NESTOR.....*		2	23	2-41,56	28	1.2		10,777	5.24	565	15	26	+211	+.09	+19	+22
02-28-66 581394 2499339 5-73					19			10,063	4.95	498						
606445 PIXYS TRISTRAM AUSTIN.....*	23-13	31	2	8-11,12,	45	1.4		9,899	4.97	492	15	68	+200	-.02	+8	+13
02-13-66 530104 2215302 5-73				13,21,23	27			9,651	4.99	482						
606458 WILO SHAMROCK ROYAL EMPEROR...*		10	2	5-11,12,	13	1.6		9,891	4.77	472	23	42	-72	-.14	-16	-15
12-19-55 583481 2585930 5-73				13,14,21	46			10,163	5.10	518						
606475 IROEL DAIRYLIKE MARK.....*		1	14	1-42	14	1.5		8,925	4.96	443	7	21	-106	-.06	-11	-12
09-17-65 500628 2444942 1-73					20			9,455	5.32	503						
606501 MILESTONE PINNACLE A.....*		3	16	1-87	33	1.8		10,055	4.86	489	4	36	+255	-.02	+11	+17
07-17-64 553805 2149498 5-73					40			9,406	4.88	459						
606502 LIBERATORS FAUVIC JESTER.....*		4	5	2-87,88	10	2.8		9,404	4.80	451	**	30	+35	-.02	0	+1
11-25-63 554125 2460008 5-73					39			9,297	4.86	452						
606551 TELSTAR BEACON.....*		5	19	1-31	47	1.6		10,370	5.13	532	11	43	+359	-.01	+17	+25
01-02-66 598447 2250243 5-73					15			9,578	5.18	496						
606552 SYMPHONYS STAR.....		3	25	1-74	34	1.9		7,224	4.79	346	10	32	-82	+.02	-2	-4
07-11-63 565141 2372870 5-73					19			7,295	4.72	344						
606554 WINSOME J.H. FERN.....*		5	2	2-42,51	10	1.1		8,033	4.98	400	**	31	-13	-.04	-4	-4
08-10-65 601173 2182338 5-73					28			7,953	5.17	411						
606591 WALNUT ANSOM STYLIST.....*		1	12	1-52	12	1.3		9,990	4.81	481	14	20	+39	-.03	-1	0
07-21-65 597224 2435842 9-72					51			9,865	5.04	497						
606615 STAR SECRET TRIGGER.....*	35-05	2	15	2-11,14	17	1.8		12,891	5.34	688	12	26	+539	+.04	+31	+42
01-28-66 592054 2044153 5-73					85			10,972	5.30	581						
606617 CERES FAVORITE TALENT.....*	31-07	13	5	5-23,51,	37	1.8		9,518	5.13	488	17	60	-94	+.04	-1	-4
02-03-66 557569 2466217 5-73				52,54,55	29			9,731	5.10	496						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HO	STATES NO- WITH MOST DAUS	...DAUGHTERS AND HEROMATES... DAUS HM/DAU	REC/DAU HEROMATE	MILK	%	FAT	%	IST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
606619 Y-BROOK SPARKLING DENNIS.....*		1	29	1-31	29	1.4	9,863	5.25	518		0	24	-322	+.10	-7	-15
C7-05-65 599309 2020053 5-73					10		11,415	4.91	560							
606630 BRAVO FASHION OF B.A.....*		1	16	1-46	16	1.4	8,787	4.80	422		6	22	+91	-.04	+1	+4
11-16-65 599370 2048768 5-73					18		8,286	4.96	411							
606635 BETTYS ARISTOCRAT OF S.F.....*		8	3	1-93	14	1.5	10,419	4.91	512		33	39	-18	-.06	-6	-5
C1-12-66 587639 2226843 5-73					43		10,608	5.08	539							
606662 GOLDEN LIKELEA MILESTONE.....*		7	4	5-32,33,	13	1.2	8,394	5.29	444		20	32	-200	+.02	-8	-13
03-18-65 563805 2363392 5-73				35,41,42	41		8,999	5.25	472							
606666 LIBERATORS JESTER ADVANCER....*		1	13	1-32	13	1.9	8,011	5.48	439		8	23	-54	+.06	+3	+1
C7-16-65 595116 1748752 5-73					29		8,142	5.21	424							
606718 .....*		1	12	1-92	12	1.6	8,007	5.66	448		11	21	-137	.00	-7	-10
5-73					29		8,593	5.68	488							
606721 EPIC MILAO GEMSTONE.....*		3	11	1-23	17	1.5	8,268	5.22	432		24	29	-193	+.05	-5	-10
C2-10-66 588835 2499080 5-73					15		8,912	5.09	454							
606722 ESTHERS SUPREME COMMANDO.....*	21-10	19	2	4-11,12,	27	1.3	9,332	4.76	444		26	56	-312	-.12	-26	-31
C1-18-66 556095 2155938 1-73				13,21	23		9,972	4.97	496							
606735 FAIR-WEATHER SUPER8 SIR.....*		2	15	2-23,51	17	1.7	8,859	5.23	463		0	25	+150	+.04	+11	+14
C8-09-65 553904 2332999 5-73					17		8,153	5.10	416							
606736 FAIR-WEATHER SUPER8 LAD.....*	33-03	4	7	2-13,21	16	1.6	11,425	5.02	574		6	33	+470	-.07	+17	+28
09-27-65 553904 2479260 5-73					46		10,093	5.24	529							
606741 PHILNADE SURVILLE ROCKET.....	93-19	3	11	1-93	24	2.2	11,975	4.70	563		0	40	+380	-.13	+6	+16
C4-01-65 557569 2241135 5-73					21		11,219	4.96	557							
606744 WALEBE COMMANDO LANCELOT.....*		3	9	2-21,23	16	1.6	8,557	5.33	456		6	31	-123	+.06	-1	-5
C9-11-65 596251 2521486 5-73					23		8,931	5.17	462							
606752 ELITE PRIMROSE JOHNNY.....*		3	8	2-31,32	11	1.7	6,346	5.23	332		27	25	-393	+.05	-15	-24
C7-13-65 D10129783 2343231 5-73					10		7,761	5.00	388							
606757 ODR8ROOK FAVORITE SNOMAN.....*		2	32	1-55	36	1.7	9,922	5.02	498		12	28	+44	+.05	+7	+7
11-18-65 581199 2224561 9-72					220		9,832	4.84	476							
606758 BEAUTY MIGHTY QUEEN LAD.....*		1	11	1-74	11	1.2	8,909	4.36	388		0	19	-15	-.06	-6	-5
C7-25-65 553149 2397954 5-73					144		8,972	4.68	420							
606762 MARLU MILAO WONDER.....*	35-75	22	14	12-35,58,	81	1.3	9,169	4.79	439		17	60	-386	-.11	-29	-35
C4-26-66 589069 2299111 5-73				73,87,93	44		9,881	4.99	493							
606786 VICTORIOUS SLEEPER.....*	33-03	97	5	31-31,33,	224	1.3	8,339	5.19	433		17	89	-771	+.23	-19	-39
C4-15-66 534585 2143745 5-73				61,82,92	27		9,209	4.94	455							
606793 STAR LAD.....*		2	19	2-32,34	21	1.4	11,854	4.97	589		15	24	+135	-.01	+6	+9
C4-13-66 591239 2428398 5-73					10		11,532	4.99	576							
606827 HETHERINGTON GOLDEN COMMANO...*		3	10	2-82,87	14	2.0	7,594	5.03	382		23	27	-255	-.01	-14	-19
C6-28-65 555141 2161005 5-73					8		8,456	5.14	435							
606833 FOREST HOME S SUPER8 MICHAEL..*		1	21	1-35	21	1.8	11,320	4.87	551		14	25	+314	-.10	+6	+14
C8-04-65 566264 1857950 5-73					9		10,131	5.29	536							
606872 BEAUTYS ADVANCER OSF.....*		1	14	1-93	14	1.5	9,578	5.15	493		7	22	-53	+.06	+3	+1
C2-28-66 553149 2402375 5-73					34		9,896	4.87	482							
606898 LANES JOLLY ZORO.....*		1	15	1-34	15	1.5	8,915	5.37	479		36	22	-194	+.09	-2	-8
C7-03-65 596586 2281685 5-73					18		9,861	5.02	495							
606900 HIGHLAND HOMESTEAD RULER.....*		4	4	1-13	10	1.5	8,343	5.31	443		50	28	-214	.00	-11	-16
09-25-65 581485 2560767 5-73					51		9,090	5.37	488							
606913 SAMARES QUEEN MASTER.....		1	25	1-64	25	1.2	4,952	4.24	210		9	23	-400	-.04	-23	-31
C7-28-64 553149 2390811 5-73					6		6,459	4.63	299							
606915 RICHARDS FARM MANDATE.....*	61-02	7	9	3-41,87,	26	1.9	8,913	5.19	463		19	43	-2	+.09	+8	+6
C3-09-65 567370 2160323 5-73				88	20		8,890	4.98	443							
606937 ROYAL AIM KAREN PAR.....*		1	17	1-32	17	2.2	7,244	5.73	415		7	25	-348	+.11	-8	-17
10-10-65 598527 2413349 5-73					13		8,558	5.27	451							
606970 CHERRYS BEACON SUPREME.....*		1	11	1-13	11	2.0	9,904	5.34	529		0	22	-282	+.08	-7	-14
11-09-65 546137 2303531 5-73					66		11,401	5.06	577							
606981 GLEN MEADOWS JEWELED MARK.....	21-10	24	1	6-11,12,	27	2.0	10,296	4.73	487		17	63	+136	-.12	-4	+1
11-13-65 525627 2214315 5-73				13,21,23	24		10,176	4.90	499							
606982 H L POMPEY FREDERICK.....*	33-03	3	19	2-13,14	24	1.9	11,310	5.44	615		13	30	+297	+.01	+16	+22
05-20-65 572331 1723692 5-73					13		10,425	5.51	574							
607000 DESIGNING CHARMER.....		1	13	1-56	13	1.8	9,460	4.77	451		8	22	+60	-.04	0	+2
11-17-64 592718 2123290 5-73					32		9,161	4.93	452							
607009 MILADYS LAD.....*		2	10	1-92	12	1.3	9,537	4.81	459		36	22	-213	-.03	-13	-17
05-04-66 596406 2549980 5-73					16		10,669	4.99	532							
607022 FAIR-WEATHER SNOWSTORM.....*		1	13	1-21	13	2.1	8,870	5.93	526		15	24	-134	+.10	+2	-2
C7-06-65 581199 2499556 9-72					112		9,472	5.54	525							
607035 WHITEHOLM SUPER8 CHECKMATE....*		3	11	2-11,13	15	1.5	9,211	4.85	447		29	25	-28	-.04	-5	-5
11-02-65 553904 2552609 5-73					42		9,339	5.04	471							
607040 MARIAS ECHO.....*		1	37	1-42	37	1.8	8,936	5.27	471		6	27	+76	+.01	+5	+6
11-11-65 602723 2059475 5-73					9		8,588	5.24	450							
607046 VICTORY SANDFIGHTER.....*		2	12	1-74	14	1.8	12,962	5.45	707		33	24	-1	+.01	+1	+1
11-18-63 563805 2285621 5-73					31		13,388	5.47	732							
607074 EASTGLEN ECHO BUCCANEER.....*		1	11	1-13	11	1.6	9,498	5.09	483		13	21	-128	-.03	-9	-11
11-25-65 602723 2508126 5-73					35		10,205	5.25	536							
607117 MILESTONE PRUDENT JESTER.....*		1	28	1-33	28	1.3	10,393	5.16	536		7	24	+119	.00	+6	+9
03-26-66 563805 2430758 5-73					39		9,962	5.16	514							
607127 LAKEWOOD SUPREME.....*		1	10	1-74	10	1.4	8,322	4.33	360		0	20	-87	-.02	-6	-8
02-14-66 596335 2486183 9-72					30		8,723	4.47	390							
607136 BEAUTY ADVANCER STAR DUKE.....*		1	10	1-31	10	1.7	7,870	5.34	420		20	21	-163	+.03	-5	-9
06-10-65 553149 2312253 9-72					45		8,613	5.22	450							
607150 STARN SURVILLE VICPIN.....*		2	19	1-93	21	1.5	9,771	4.97	486		43	25	-272	+.06	-8	-15
C8-22-65 557569 2558087 5-73					46		11,039	4.79	529							
607200 J-MAR COMMANDO FEDERAL.....*		1	16	1-71	16	1.4	8,596	5.05	434		7	22	-110	-.01	-6	-8
C3-11-66 591202 2504814 5-73					15		9,083	5.12	465							
607229 ECHO MILESTONE ROYAL.....	48-01	7	2	3-41,48,	12	1.1	7,570	4.97	376		33	34	-90	-.03	-7	-8
01-03-66 602723 2458406 5-73				87	13		7,685	5.11	393							

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF OAU /HO	STATES ND- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS REC/OAU HM/DAU	HEROMATE	MILK	%	FAT	%	IST LACT INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
607264 HEADSPRING HIGH ACTION.....*		1	11	1-56	11	1.6	10,904	5.08	554	18	21	-320	.00	-16	-23
04-16-66 632499 2225561 5-73					147		12,808	5.12	656						
607265 HEADSPRING ACE.....*		1	40	1-74	40	1.3	10,147	4.69	476	11	25	+86	-.01	+3	+5
11-23-65 578330 2392455 5-73					64		9,860	4.72	465						
607270 HEADSPRING RADIANT MERCURY....*		1	11	1-56	11	1.2	10,239	5.13	525	20	19	-336	+.01	-16	-23
08-09-65 530923 2425724 5-73					142		12,315	5.12	631						
607271 HEADSPRING HIGH POWER.....*		3	5	1-52	12	1.7	8,175	5.30	433	33	31	-439	+.02	-20	-30
12-11-65 632499 2517432 5-73					21		9,637	5.26	507						
607279 CROSSLAND TRISTRAM SIGNAL EAGL*		1	12	1-42	12	2.0	8,114	5.08	412	25	22	-49	+.03	0	-1
03-30-65 535403 2245520 5-73					54		8,241	4.99	411						
607292 CONFIDENT INFREQ BASIL.....*	72-01	10	4	3-63,71,	22	1.6	8,738	4.61	403	27	48	-402	-.07	-26	-34
10-23-65 549809 1897494 5-73				72	50		9,619	4.77	459						
607322 PIXYS IMPERIAL FREDERIC.....*		1	12	1-42	12	1.1	7,168	5.13	368	17	19	-209	+.03	-8	-13
12-27-65 593406 2380315 1-73					45		8,169	5.03	411						
607332 GREEN VIEW SLEEPER BOY.....*		1	10	1-61	10	2.0	8,384	5.21	437	30	22	-61	+.06	+2	0
07-15-65 534585 2427555 5-73					17		8,612	4.92	424						
607340 KENBEN BELMONT CHARLIE.....*		1	12	1-34	12	1.3	8,382	5.21	437	36	20	-130	+.03	-4	-7
C2-09-66 590936 2092707 5-73					7		9,027	5.10	460						
607352 CRESCENT NOBLE WALPOLE.....*		3	7	2-12,13	15	1.4	10,051	4.56	458	21	31	+73	-.13	-8	-4
02-16-66 546137 2453615 5-73					20		9,882	4.96	490						
607427 BEACON BAS CORNERSTONE.....*		4	6	2-57,63	15	2.0	8,257	5.03	415	0	35	-205	+.07	-4	-9
09-18-63 553805 2114660 5-73					29		8,812	4.85	427						
607467 S OF O LEADER COMMANDO.....*		2	13	1-71	16	1.6	7,598	4.78	363	21	26	-186	+.01	-8	-12
12-08-65 567370 2391821 5-73					5		8,211	4.74	389						
607475 ARROWHEADS FANCY FIRECRACKER..*		2	10	1-13	12	1.2	8,024	4.74	380	22	21	-75	-.02	-6	-7
07-04-65 577484 2129128 5-73					14		8,296	4.93	409						
607528 WONDERFUL ELLADON BEACON.....*		1	11	1-91	11	3.3	10,538	5.05	532	9	24	+12	-.01	0	0
01-18-62 587666 2229725 5-73					44		10,632	5.06	538						
607530 B. LUCYS ELLADON SUPREME.....*		1	13	1-91	13	2.4	11,300	4.67	528	31	24	+199	-.09	+1	+7
08-13-64 556095 2229728 5-73					39		10,599	5.00	530						
607533 EDGELEA BOUQUET ROYAL.....*		2	13	1-74	15	1.6	6,998	4.83	338	0	24	-231	+.01	-11	-16
02-25-65 010131154 010343613 5-73					26		7,837	4.86	381						
607541 ECHO LINDALE ROYAL 20.....*		1	23	1-31	23	2.0	7,685	5.27	405	5	26	-184	+.06	-4	-9
C4-22-65 632723 010326439 5-73					7		8,317	5.04	419						
607573 DREAM BOY TOROND.....*		2	10	1-43	12	1.1	10,519	4.86	511	25	21	+87	+.01	+5	+7
12-04-65 497574 2460237 9-72					21		10,201	4.78	488						
607579 PAMSON WONDERFUL PAT.....*		4	16	1-74	23	1.2	7,972	4.55	363	11	28	-208	-.02	-12	-16
12-09-65 590318 2454074 5-73					112		8,678	4.66	404						
607582 MARLU SOVEREIGN MILAD.....*		4	5	3-43,71,	11	1.2	9,008	4.76	429	14	27	-68	-.03	-6	-7
11-17-65 589069 2057458 5-73				72	22		9,271	4.90	454						
607584 MARLU FASHION BLAZER.....*		2	16	1-65	18	1.3	10,462	4.94	517	0	24	+148	+.02	+9	+12
06-22-66 530002 2477747 5-73					31		9,904	4.88	483						
607587 CHATSWORTH LODGE DIPLOMAT.....*		2	14	1-55	25	1.2	9,837	4.98	490	12	31	+3	+.03	+3	+3
02-06-66 537736 010306314 9-72					192		9,897	4.89	484						
607590 MARLU VALOR CITATION.....*	31-07	9	5	2-34,52	26	1.1	9,238	5.12	473	36	47	+78	-.02	+2	+4
07-12-66 594407 2155942 5-73					15		9,057	5.18	469						
607604 TRISTRAM BUCKEYE.....*		2	9	2-23,31	11	1.3	10,631	5.59	594	30	21	+23	+.10	+10	+9
09-27-66 597904 2482430 5-73					30		10,670	5.21	556						
607614 ADVANCER JESTER MILESTONE.....*	31-07	6	2	3-51,52,	11	1.3	10,416	5.05	526	18	33	+114	+.02	+8	+10
07-31-66 577026 2027467 5-73				54	28		10,167	4.99	507						
607631 ECHO MILESTONE PRUDENT.....*		6	6	3-61,63,	16	1.5	7,412	4.56	338	7	35	-176	-.09	-17	-19
04-16-66 632723 2487805 5-73				65	27		7,775	4.90	381						
607644 MILESTONE GIPSY TYCOON.....*		4	14	1-91	19	1.3	9,432	4.73	446	25	27	-341	-.03	-20	-27
06-20-66 553805 2521461 5-73					28		10,891	4.88	532						
607648 BELLAVISTA MILESTONE GEM.....*		1	19	1-93	19	1.6	9,036	5.48	495	7	24	-227	+.10	-2	-9
03-07-66 010131890 010290687 1-73					83		10,091	5.09	514						
607651 BORGS B ETTA DESIGNER.....*		1	32	1-35	32	1.6	7,687	4.89	376	23	25	-98	-.07	-11	-12
12-13-65 580594 2353268 5-73					47		7,955	5.27	419						
607652 ROYAL C MILESTONE.....*	93-19	13	2	7-14,31,	21	1.0	8,545	5.17	442	21	47	-388	+.07	-13	-22
01-02-67 553805 2172307 5-73				33,42,93	31		9,401	5.03	473						
607658 GOLDEN JESTER MASTERMAN.....*		2	8	1-31	10	1.3	7,177	5.17	371	20	21	-272	+.02	-12	-18
08-19-65 631833 2448845 5-73					9		8,397	5.10	428						
607699 SNOWMAN ELOAISY ROY.....		2	29	1-58	33	1.5	7,568	4.80	363	9	27	-158	+.06	-2	-6
02-22-66 571913 1943208 5-73					91		8,048	4.51	363						
607706 HEADSPRING BLONDE HERO.....*		3	15	1-56	19	1.8	10,628	5.31	564	12	27	-50	+.02	-1	-2
04-20-65 578330 2248588 5-73					106		10,997	5.31	584						
607718 ETTAS REX.....*		1	12	1-31	12	2.4	7,587	5.07	385	0	24	-238	+.01	-11	-16
06-03-65 593537 2321736 5-73					10		8,516	5.06	431						
607736 CHATSWORTH LODGE CS PATTERN...*		11	7	4-21,31,	25	2.1	8,887	5.14	457	14	47	-417	+.03	-18	-27
04-12-60 552974 010271124 5-73				35,41	16		9,840	5.10	502						
607749 JESTERS IVAN OF OODLE J.....		1	15	1-35	15	2.3	9,159	4.91	450	0	25	+52	+.02	+4	+5
C3-05-65 596633 2696014 5-73					50		8,924	4.83	431						
607759 MARLU MILESTONE BOUNTY.....*	35-05	10	3	4-35,42,	20	1.1	9,392	4.99	469	35	45	-85	+.02	-2	-4
C8-27-66 553805 2361451 5-73				74,91	28		9,627	4.97	478						
607768 CHATSWORTH LODGE PATRIOT.....		2	20	1-34	22	1.1	9,516	4.88	464	27	23	-331	-.04	-20	-26
07-31-66 537736 010271125 5-73					24		11,177	5.09	569						
607799 FAVORITE SOLOMON.....*		2	8	2-11,14	10	1.2	11,174	5.47	611	20	21	+29	+.05	+6	+6
11-03-65 563813 2365856 5-73					89		11,238	5.29	594						
607805 SABLE LAD KRIS.....*		2	8	1-35	11	1.7	9,444	5.41	511	9	25	-159	+.09	0	-5
12-25-65 556063 2134341 1-73					12		10,172	5.09	518						
607818 J.B. JEST.....*		2	5	1-61	10	1.8	9,058	4.78	433	20	28	-72	-.03	-6	-7
11-20-65 553149 2502829 5-73					32		9,333	4.93	460						
607831 GREEN DREAM ECHO.....*		4	7	1-12	12	1.4	12,749	4.81	613	0	27	+426	-.07	+14	+24
05-27-66 632723 2160617 5-73					58		11,365	5.02	570						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS	REC/DAU	HM/DAU	MILK	%	FAT	%	1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
607832 ADVANCERS TRISTRAM MART 1.....*		1	16	1-42	16	1.5		8,646	4.44	384	0	23	-77	+.01	-3	-5
C2-15-66 553813 2401520 5-73					9			8,972	4.41	396						
607857 FASHION PRINCES SAMSON.....*		2	17	2-55,56	19	1.3		9,889	5.07	501	6	24	+102	-.02	+3	+6
01-20-66 571911 2450706 5-73					48			9,486	5.20	493						
607888 WOODLAWN SUPER8 EAGLE.....*		1	11	1-35	11	1.5		9,882	4.52	447	18	20	+21	-.05	-4	-3
C1-11-66 500211 2266262 5-73					23			9,838	4.84	476						
607901 RECORDS SLEEPING ROCKET.....*		1	14	1-34	14	1.3		7,907	5.40	427	29	21	-248	.00	-12	-17
07-15-66 553149 2506116 5-73					11			9,095	5.41	492						
607906 W R GOLDEN JESTER PRINCE.....*		1	16	1-31	16	2.0		7,962	4.67	372	44	23	-187	-.03	-12	-16
10-25-63 555303 2095762 5-73					19			8,716	4.84	422						
607935 BLANTON ROYAL MARKSMAN.....*		2	11	2-55,56	14	2.0		10,188	4.88	497	8	27	-28	-.04	-5	-5
10-31-65 576127 2193724 5-73					68			10,416	5.04	525						
607941 COMMANDO SNOWMAN CHAMP.....*		1	10	1-43	10	1.3		7,287	5.17	377	30	19	-194	-.03	-12	-16
C3-14-66 581199 2471524 5-73					29			8,206	5.40	443						
607945 MOUNTAIN SHADOW PEERLESS BEACO		1	20	1-86	20	2.0		8,958	4.93	442	16	25	-293	+.06	-9	-16
10-30-65 596406 2510563 5-73					134			10,223	4.75	486						
607945 MOUNTAIN SHADOW PEERLESS ASTRO		1	27	1-86	27	2.4		9,667	4.76	460	12	28	-144	+.01	-6	-9
11-03-65 596406 2354126 5-73					120			10,299	4.76	490						
607949 TRISTRAM LADDIE POLARIS.....		4	5	2-88,93	18	1.3		11,210	5.09	571	18	37	-134	.00	-7	-10
C3-14-66 553813 2206034 5-73					32			11,834	5.12	606						
607971 U K CONFIDENT KELVIN.....*	31-07	15	2	4-31,61,	21	1.2		10,072	4.86	489	15	50	+359	-.02	+16	+24
C5-04-66 549809 2389189 5-73				74,84	24			9,374	4.89	458						
607987 CLIMAX SYBIL OWL.....*		1	32	1-72	32	1.3		9,089	4.54	413	16	24	-108	.00	-5	-7
C6-23-66 577134 2204590 5-73					131			9,589	4.56	437						
607989 SANDY ACRES TRISTRAM STANDARD.*		1	13	1-87	13	1.5		9,578	4.74	454	8	21	-7	.00	0	0
04-22-66 553813 2206828 5-73					40			9,663	4.69	453						
608006 HETHERINGTON TOP HATS SUPREME.*		1	14	1-42	14	1.3		8,974	5.18	465	7	21	+10	+.04	+4	+4
C6-03-66 502270 1926840 9-72					12			8,893	5.02	446						
608023 AMBASSADORS LAD.....*		1	21	1-61	21	1.8		9,241	4.85	448	14	25	-35	+.01	-1	-2
12-27-65 575184 2458835 5-73					19			9,409	4.83	454						
608066 MILESTONE BEACON ARISTOCRAT...*		2	20	1-33	22	1.2		10,121	4.45	450	5	24	+4	-.09	-8	-6
C9-11-65 553805 2147377 5-73					23			10,206	4.83	493						
608069 BEAUTYS MASTER PAT.....		2	16	2-34,72	18	1.1		9,248	5.24	485	0	22	-7	-.08	-8	-7
10-05-65 553149 1831907 5-73					2			9,295	5.73	533						
608080 MARIGOLDS SLEEPER.....*	31-07	18	3	4-23,31,	32	1.3		9,768	4.79	468	25	59	+14	-.13	-11	-9
C1-07-66 595854 2235306 5-73				54,63	23			9,804	5.01	491						
608089 ROYAL BEACON WARD.....*		2	8	1-32	14	1.9		9,150	5.01	458	23	31	-34	-.01	-3	-3
10-07-65 537976 2507073 5-73					13			9,271	5.10	473						
608092 AMBASSADORS HIGH PINN MAMS BOY		1	16	1-74	16	1.6		9,983	4.61	460	20	23	+44	-.01	+1	+2
C3-19-66 575184 2063811 5-73					36			9,852	4.63	456						
608111 BEAUTYS SPARTAN.....*		5	5	3-57,64,	13	1.6		9,502	5.00	475	8	34	-51	+.09	+6	+3
C4-26-66 553149 2294103 5-73				65	84			9,708	4.72	458						
608118 ADVANCING SABLE.....*		1	23	1-74	23	1.4		10,275	4.90	503	10	23	+136	.00	+7	+10
01-27-66 594030 2285621 5-73					37			9,745	4.86	474						
608120 FANJET OF SUNBEAM.....*	31-02	12	3	8-52,56,	24	1.7		10,670	4.71	503	5	52	+222	+.02	+13	+17
01-23-65 571911 2443935 5-73				58,63,74	42			10,360	4.63	480						
608129 RENADA MARKS LADDIE.....*		3	8	2-21,88	11	1.1		11,496	4.68	538	0	22	+392	-.10	+10	+20
06-01-65 576127 2537219 1-73					42			9,807	5.09	499						
608142 H.V. GOLD RING FILLPAIL.....*		4	22	3-55,56,	29	1.3		9,399	5.19	488	14	28	-243	.00	-12	-17
C9-27-65 554209 2470027 9-72				64	58			10,377	5.21	541						
608144 H.V. DRACONIS MILESTONE.....*		5	5	3-55,56,	13	1.2		9,461	5.37	508	9	30	-324	+.09	-8	-16
C3-03-66 500180 2305892 5-73				57	106			10,732	5.12	548						
608145 H.V. JESTER MILESTONE.....*		2	13	1-56	15	1.6		10,119	5.14	520	0	24	-113	+.01	-5	-8
04-13-66 554209 1994386 5-73					64			10,750	5.16	555						
608160 GOLDEN CROWN.....*		3	14	2-42,57	19	1.5		9,253	5.43	502	0	28	+15	+.05	+5	+5
C1-14-65 535141 2057455 5-73					65			9,197	5.28	486						
608161 OAKPARKS HEADSPRING OF 5-H....*		1	12	1-74	12	1.3		9,396	4.77	448	8	20	-178	+.01	-8	-12
10-10-66 579536 2513864 5-73					19			10,424	4.80	500						
608175 EMILYSMAN DIRECTOR.....*		3	9	1-65	24	1.2		8,729	4.97	434	46	37	-211	-.01	-11	-15
10-10-65 500150 2470396 5-73					40			9,321	5.01	467						
608176 LINDALE S.C. COMMANDER.....*		1	19	1-65	19	1.1		6,605	5.13	339	16	21	-335	+.08	-10	-18
C7-03-66 556063 2485482 9-72					34			8,103	4.75	385						
608188 LEADER JESTER DOYLE.....*		3	20	2-65,74	24	1.0		7,329	4.67	342	13	24	-524	+.06	-21	-33
C8-24-65 589759 2297618 5-73					43			9,572	4.50	431						
608205 FOREST SECRET ATLAS.....*		2	10	2-13,14	12	1.7		11,533	5.07	585	8	24	+225	-.07	+5	+11
08-21-66 593816 2305410 1-73					71			10,744	5.37	577						
608230 CLARA MARINER HANIBAL.....*		1	12	1-13	12	1.2		8,572	5.25	450	25	19	-154	+.03	-5	-9
10-04-66 500544 2445857 5-73					53			9,390	5.12	481						
608231 DROOPY TRIUMPH HERCULES.....*		1	15	1-13	15	1.4		9,027	5.25	474	27	22	-82	+.03	-1	-3
C9-06-66 502283 2493151 5-73					59			9,435	5.16	487						
608235 BEACON ADVANCER ECHO LAD.....*		1	18	1-64	18	1.3		6,637	4.85	322	28	22	-376	+.03	-16	-25
02-07-66 502723 2306764 5-73					51			8,241	4.78	394						
608236 PIXYS TRISTRAM BLAIR.....*	21-10	15	2	6-11,12,	20	1.4		9,887	4.82	477	5	50	+27	-.13	-11	-8
08-11-66 530104 2297510 1-73				13,14,21	27			9,904	5.10	505						
608241 SPARKLE WONDEROUS SECRET DANDY*		1	10	1-21	10	1.2		10,542	4.85	511	10	19	+45	-.02	0	+1
10-21-66 502574 2508233 5-73					28			10,420	4.94	515						
608248 BLONDE IDEAL IKE.....*		1	16	1-31	16	1.4		7,638	5.33	407	25	22	-234	+.06	-6	-12
C3-09-66 500516 2272003 1-73					21			8,642	5.05	436						
608261 JUDYS BASILEUS BOY.....*		3	21	3-14,23,	25	1.6		9,388	5.01	470	22	27	-159	.00	-8	-11
11-28-64 554125 2216902 5-73				51	33			10,074	5.05	509						
608269 MILESTONE WILLIAM TELL.....*		2	9	1-32	15	1.9		8,711	4.96	432	0	30	-86	-.01	-5	-7
C1-11-66 588733 2506365 5-73					25			8,975	5.04	452						
608318 TRIUMPH SUPREME LAD.....*		1	14	1-56	14	1.6		13,890	4.97	691	7	23	+299	-.03	+12	+19
C6-26-66 502853 2373726 5-73					135			12,935	5.09	659						

REGISTRATION NUMBER NAME DF BULL	STUD CODE	NUMBER DF HEROS	EFF DAU /HD	STATES AND WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS REC/DAU HM/DAU	HERDMATE	MILK	%	FAT	%	1ST REPT INC	%	PREDICTED DIFFERENCES MILK	%	FAT	$$
608333 CARTAGENA COMMANDO CITATION...*		4	14	2-91,92	19	1.3	9,956	5.13	511	6	27	-104	.00	-5	-7
02-04-66 571446 2343992 5-73					59		10,481	5.18	543						
608352 VOLUNTEERS CHIEF.....*		1	11	1-41	11	1.0	9,505	5.41	514	20	18	+92	+.04	+8	+9
09-18-65 535683 2052410 9-72					25		8,977	5.25	471						
608359 GOLDEN RADAR KING.....*		2	10	1-87	20	1.6	8,894	4.97	442	30	33	-206	+.03	-8	-13
05-10-66 583235 2325619 5-73					45		9,547	4.93	471						
608382 RINDA STANDARD MASTER.....*		4	7	1-92	15	1.8	10,273	4.90	503	13	33	-123	-.03	-9	-11
03-25-65 574191 2038417 5-73					24		10,807	5.02	543						
608395 BRYNCOED KATTY KING.....*		3	10	3-23,51,	14	1.4	9,277	4.88	453	29	25	-134	+.01	-6	-9
04-26-66 584458 2256012 5-73				55	44		9,883	4.89	483						
608397 BEACON SLEEPING JESTER.....*		1	39	1-57	39	1.7	9,178	5.60	514	7	26	+134	+.05	+11	+13
04-02-64 534585 2250630 5-73					53		8,608	5.48	472						
608412 PINNACLE AIM VDL. LADDIE.....		1	17	1-93	17	1.0	11,358	4.67	531	**	20	+138	-.04	+3	+7
02-05-66 571131 2494451 5-73					23		10,848	4.82	523						
608416 BELVIDERE BEAUTY MASTER.....*		2	14	1-91	16	1.3	10,902	5.03	548	19	23	+25	-.04	-2	-1
09-15-56 553149 2507273 5-73					26		10,969	5.22	573						
606431 GEORGEDUS MASTER.....*		1	18	1-65	18	1.0	8,077	4.72	381	0	20	-22	.00	-1	-1
08-01-65 553149 2451842 5-73					17		8,076	4.74	383						
608441 MARVO RINGMAN CHIEF.....*		3	7	2-47,92	12	1.8	9,010	5.09	459	0	29	+43	+.03	+5	+5
05-10-66 591619 2457754 9-72					30		8,824	4.98	439						
608444 D-AT-KA GAY HOBO.....*		4	6	1-21	16	1.8	9,496	5.27	500	13	37	-283	+.07	-8	-15
09-18-66 623623 2546325 5-73					43		10,376	5.14	533						
608445 BEAUTYS BETTYS AMBASSADOR O S.*	91-13	49	3	7-41,82,	97	1.3	9,865	5.14	507	17	81	-246	+.08	-5	-12
08-01-66 553149 2498564 5-73				91,92,93	20		10,279	5.07	521						
608471 BASKIN O JOHNNY BEAUTY.....*		1	25	1-56	25	1.4	9,495	4.35	413	20	24	-144	-.03	-10	-13
05-13-66 553149 2410751 5-73					30		10,214	4.52	462						
608508 WOODLAWN ESMOND OF DOUBLE J...		1	16	1-35	16	2.5	8,869	4.89	434	0	26	-32	+.02	0	-1
07-03-62 502114 2062689 5-73					49		8,974	4.81	432						
608513 REGLIS JOYCE ADVANCER.....*		4	7	2-91,93	15	1.5	11,040	5.29	584	20	31	-244	+.09	-4	-11
03-05-66 563813 2283933 5-73					29		12,121	5.09	617						
608518 JESTERMANS STANDARD LORO.....*		8	22	3-82,91,	34	1.5	10,406	5.24	545	12	33	-160	+.03	-5	-9
01-10-66 551469 2296653 5-73				92	24		11,085	5.18	574						
608520 MERRY PIONEER.....*		4	3	3-16,31,	10	1.0	6,887	5.21	359	20	27	-264	+.07	-7	-14
07-09-66 596503 2354018 5-73				51	18		7,726	4.94	382						
608528 NOBLE GENERATION.....*		1	11	1-32	11	1.6	7,050	4.44	313	18	21	-149	-.02	-9	-12
02-01-56 596271 2425023 5-73					4		7,612	4.60	350						
608538 ROSEMONT HOPE PIERRE.....		1	13	1-93	13	1.0	7,305	5.61	410	55	19	-376	+.01	-18	-26
09-09-66 559352 2390139 5-73					43		9,302	5.56	517						
608545 SUNFLOWERS DREAMER.....*		2	7	1-31	10	1.4	8,192	4.97	407	10	23	-95	.00	-5	-7
01-03-66 601573 2333890 5-73					5		8,540	5.01	428						
608567 DUKE ORATOR BEACON.....*		3	14	1-22	25	1.4	10,427	4.85	506	45	33	+553	-.05	+23	+36
08-20-66 571382 2498050 5-73					10		8,690	4.99	434						
608579 TRISTRAM STURMISCH VON COBURG.*		3	14	2-56,63	19	1.1	10,010	4.62	462	38	25	-24	+.01	0	-1
07-20-66 563813 2414840 5-73					95		10,210	4.59	469						
608584 PIONEERS SUNNY BOY.....*		2	38	1-92	40	1.9	10,007	4.98	498	16	28	-61	.00	-3	-4
04-27-63 574752 2105165 5-73					10		10,344	5.01	518						
608589 H.V.F. ADVANCER C SPORTING....*		1	14	1-31	14	1.3	8,352	5.22	436	15	21	-74	+.03	-1	-3
10-16-56 590527 2543075 5-73					16		8,660	5.15	446						
608592 STARDUST SURVILLES TEMPEST....*	31-07	10	4	4-31,42,	20	1.0	10,736	4.76	511	0	42	+273	-.10	+4	+12
08-31-66 557569 2402496 5-73				61,93	33		10,182	4.97	506						
608609 MILKMAN LEADER.....*		3	9	1-87	13	1.8	7,793	5.09	397	23	27	-211	+.02	-9	-14
07-17-66 581018 2525067 5-73					65		8,524	5.09	434						
608651 BORGS BARRY ENSIGN.....*		3	5	2-31,32	11	1.4	8,178	4.73	387	13	28	-145	-.05	-12	-14
05-31-66 592732 2542358 5-73					11		8,639	4.99	431						
608657 U.N.H. DIAMOND OMAR.....*	35-75	7	11	6-11,12,	24	1.2	12,246	4.61	565	4	34	+516	-.20	+6	+21
01-09-67 552843 2361220 5-73				13,14,21	71		10,883	5.12	557						
608663 TRINITYS SNOW JOE.....*		3	9	2-55,56	14	1.1	8,869	5.23	464	29	25	-239	+.01	-11	-16
04-07-66 581199 2405458 5-73					70		9,912	5.25	520						
608664 TRINITYS FASHION LADDY.....*		2	7	1-56	10	1.1	9,723	4.83	470	10	22	+18	-.01	0	+1
03-23-66 571911 2530446 1-73					62		9,688	4.92	477						
608665 MILAO LAD.....*		2	6	2-42,57	12	1.3	9,716	5.05	491	17	27	+100	-.03	+2	+5
07-18-66 589069 2274244 5-73					60		9,350	5.19	486						
608675 SLEEPER BAS DIRECTOR.....*		1	12	1-61	12	1.0	7,573	5.30	401	8	19	-155	+.06	-2	-6
08-23-65 598658 2414465 1-73					32		8,324	4.94	411						
608679 HIGHFIELD TITAN.....*		4	10	3-12,13,	17	1.6	10,100	4.59	464	6	30	+73	-.09	-5	-2
04-15-66 592174 2004350 5-73				14	43		9,930	4.90	487						
608688 GENERATORS GLADIATOR.....*		2	5	1-52	10	1.3	10,039	4.80	482	30	25	-147	-.11	-17	-18
10-20-66 602658 2499911 5-73					35		10,784	5.22	563						
608727 MARSHLAND F. CHRISTMAS SANTA..*		2	14	1-13	18	1.3	9,531	5.05	481	0	25	-49	+.04	+1	-1
12-28-65 553813 2661615 5-73					17		9,790	4.91	481						
608754 BEAUTYS PREMIER MASTER.....*		1	14	1-92	14	1.6	10,005	4.45	445	36	22	-81	-.08	-11	-11
07-08-66 553149 1988979 5-73					49		10,508	4.82	506						
608786 BERRYS DREAM BOY.....*		1	12	1-57	12	1.2	8,996	5.24	471	25	19	-5	.00	0	0
10-19-66 560800 2561456 5-73					79		9,005	5.27	475						
608823 MILESTONE SPORTING SAM.....*		3	9	3-55,63,	18	1.8	9,020	5.17	466	6	33	+23	+.07	+8	+7
08-09-64 553805 2038737 5-73				64	20		8,922	4.92	439						
608831 ITASKA VENTURE DAZZLER.....*		2	9	1-35	12	1.1	8,239	5.64	465	17	23	-463	+.14	-11	-23
09-07-56 596503 2554042 5-73					15		10,425	5.02	523						
608841 MEADOSPRING HERALO.....*		1	20	1-56	20	1.2	10,476	5.01	525	15	22	-490	-.01	-25	-35
12-16-66 578330 2392455 5-73					123		13,111	5.05	662						
608876 BAS ORCHID GOLDEN.....*		2	16	1-74	18	1.0	9,021	4.76	429	27	22	-259	.00	-13	-19
12-15-56 595406 2506756 5-73					110		10,327	4.83	499						
608927 FAIR WEATHER JUGGLER.....*	33-03	25	4	13-11,12,	45	1.2	9,670	5.10	493	13	63	+93	-.04	+1	+4
01-28-67 553904 2060989 5-73				13,21,23	53		9,558	5.18	495						

REGISTRATION NUMBER	NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES AND- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS/DAU HM/DAU	REC/DAU HERDMATE	MILK	%	FAT	% 1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
608946	COLESHOLM FASHION SNOBOY.....*		2	9	2-14,16	11	1.4	8,273	5.10	422	36	22	-123	.00	-6	-9
C7-20-66	581199 2486345 5-73					27		8,801	5.17	455						
608949	MILESTONE EXPERT BONNIE BOY...*		1	14	1-43	14	1.4	10,475	4.63	485	50	21	+201	-.06	+4	+9
C4-27-66	581258 2342963 5-73					6		9,558	4.89	467						
608982	ADVANCER BEAUTY PETE.....*		1	15	1-74	15	1.0	5,737	4.53	260	13	20	-298	.00	-15	-21
C1-03-67	553149 2392801 1-73					57		7,041	4.63	326						
609002	ECHO TRISTRAM CROESUS.....		3	11	3-35,43,	16	1.1	8,782	5.11	449	9	25	+37	+.03	+5	+5
C8-02-66	582723 2499341 5-73				71	59		8,573	4.96	425						
609004	NEVADAS CHAMPION.....*		3	7	1-31	12	1.3	12,624	5.13	647	0	26	+397	-.06	+14	+24
12-28-66	580714 2449713 5-73					21		11,303	5.37	607						
609005	LAKEWOOD MILKMAN.....*		1	11	1-74	11	1.2	7,590	4.55	345	9	19	-220	+.02	-9	-14
C6-10-66	592121 2192425 5-73					32		8,697	4.46	388						
609014	GAYPEGS TRISTRAM LEADER.....*		1	11	1-92	11	1.6	10,117	5.05	511	18	21	-147	+.08	0	-4
C1-15-66	604319 2567695 5-73					30		11,004	4.76	524						
609027	DORIS SECRET FAVORITE.....*		1	14	1-13	14	1.2	12,374	4.87	602	0	20	+274	-.06	+8	+15
C9-28-66	582283 2421454 5-73					64		11,236	5.10	573						
609056	TEMPLAN ACME OF TWIN BAMS.....*		1	10	1-92	10	1.0	11,545	4.69	542	100	18	+185	-.02	+7	+11
08-12-66	010126125 2381727 9-72					26		10,645	4.77	508						
609070	SUMMETZ EPIC ANTHONY.....*		1	16	1-42	16	1.1	9,800	4.95	485	25	20	-54	+.01	-2	-3
C3-07-66	588835 2475809 5-73					50		10,168	4.96	504						
609078	ETTA COMMANDO SIGNAL.....*		1	12	1-55	12	1.5	8,110	4.76	386	25	21	-111	+.01	-5	-7
12-10-66	584799 2059221 5-73					100		8,583	4.80	412						
609092	BEAUTY MASTER CORAL REEF.....*	21-10	65	2	10-11,13,	100	1.3	8,756	4.85	425	31	83	-896	-.08	-51	-69
C4-22-66	553149 2195916 5-73				16,21,23	22		9,913	4.95	491						
609128	B.S. NOBLE SUPER8.....*	23-09	5	11	1-63	23	1.6	10,658	4.76	507	14	36	+520	-.08	+18	+31
C7-02-66	600211 2349560 5-73					79		9,227	4.96	458						
609138	WOODLAWN SUPREME LAD.....*		1	11	1-35	11	1.4	9,156	4.69	429	27	20	-105	-.03	-8	-10
C2-19-67	592920 2297756 5-73					29		9,744	4.90	477						
609144	C8 MI BAS BARON.....*		1	32	1-93	32	1.0	6,457	5.53	357	88	22	-628	+.08	-24	-39
C7-31-66	600153 2268835 5-73					179		9,286	5.04	468						
609165	CLIMAX RADAR JESTER.....*		4	13	2-61,65	33	1.3	8,270	4.87	403	30	39	-294	+.03	-12	-19
C8-05-66	577134 2410741 5-73					68		9,004	4.82	434						
609167	MILESTONE MILADY CLIMAX.....*		4	10	2-61,65	17	1.0	10,232	4.74	485	18	27	+40	-.01	+1	+2
11-11-66	553805 2411091 5-73					24		10,179	4.75	484						
609171	TEXAM FFJ AMBASSADOR ONYX.....*		1	13	1-74	13	1.5	8,485	5.08	431	33	22	-159	+.09	0	-5
C9-06-66	575184 2208868 5-73					25		9,233	4.67	431						
609192	SLEEPERS GOLDEN JESTER.....*		1	12	1-34	12	1.2	9,853	4.87	480	0	19	+59	-.03	0	+2
10-07-66	534585 2539156 5-73					28		9,588	5.07	486						
609218	PIXYS MILESTONE MAESTRO.....*		1	13	1-92	13	1.1	9,859	5.56	548	38	19	-249	+.14	0	-8
C1-17-67	553805 2491802 5-73					41		11,365	4.97	565						
609236	DUANES MANNEQUIN.....		1	14	1-41	14	1.2	5,816	5.35	311	36	20	-348	+.07	-11	-20
09-13-66	577026 2509135 5-73					7		7,341	4.88	358						
609250	ESMOND ROSARY MAJOR.....		2	42	1-58	44	1.9	8,609	4.51	388	9	28	+226	-.03	+8	+13
10-16-62	532114 2028630 5-73					95		7,649	4.56	349						
609254	MILESTONE CAROM.....*	31-02	26	3	9-13,21,	57	1.2	8,348	5.34	446	11	69	-580	+.11	-19	-33
12-29-65	553805 2300757 5-73				31,32,61	22		9,184	5.19	477						
609270	NORMS SABLE LINCOLN.....*	21-10	42	2	5-11,12,	71	1.0	10,506	4.94	519	11	75	+276	-.03	+11	+17
02-01-67	592073 2408694 5-73				13,14,21	27		10,243	4.98	510						
609281	FOREST HOME P SUPER8 FRITZ....*		1	10	1-35	10	1.3	9,972	5.46	544	0	19	-194	+.09	-2	-8
11-04-66	553904 2381555 5-73					10		11,194	5.09	570						
609285	GRAMHIL NANIES SABLE.....*		1	13	1-56	13	1.2	9,444	4.12	389	62	20	-387	-.01	-20	-28
10-15-66	556063 2494665 5-73					69		11,647	4.27	497						
609322	TRISTRAM PREACHER.....*	35-75	5	4	2-88,92	12	1.2	13,968	4.74	662	0	31	+795	-.10	+30	+49
12-17-66	580714 2542021 5-73					40		11,683	4.94	577						
609339	LASHBROOKE RING MASTER.....*		1	11	1-63	11	1.2	8,906	4.85	432	18	19	-240	+.02	-10	-15
C1-23-67	591619 2391079 5-73					39		10,277	4.80	493						
609343	VALORS B.P. MATCH-MAKER.....*		1	12	1-31	12	1.0	9,813	4.86	477	8	19	+280	-.03	+11	+18
C1-31-67	600145 2125501 5-73					18		8,211	5.01	411						
609374	KING STAR.....*		4	10	3-23,31,	15	1.3	9,210	4.83	445	0	26	-176	-.06	-14	-17
C5-02-66	591239 2209850 5-73				35	21		9,955	5.10	508						
609378	MILESTONE OAKLEAF SABOR.....*	35-21	10	2	6-33,35,	14	1.0	8,679	4.79	416	7	39	-338	-.06	-22	-28
09-30-66	553805 2472650 5-73				41,42,64	26		9,578	4.97	476						
609388	MOUNTAIN SHADOW AMBASSADOR SON		1	14	1-86	14	1.1	9,495	4.95	470	36	20	-172	+.06	-3	-8
C1-07-67	575184 2537936 5-73					149		10,506	4.71	495						
609389	MOUNTAIN SHADOW CREAM BOY ARCH*		1	20	1-86	20	1.7	10,065	5.09	512	10	24	-179	+.12	+2	-4
10-13-66	560800 2446688 5-73					137		10,989	4.61	507						
609390	MOUNTAIN SHADOW BISHOP OEAN...		1	32	1-86	32	1.8	11,781	4.54	535	7	26	+330	-.07	+10	+18
03-13-66	572331 2673813 5-73					130		10,678	4.69	501						
609391	MOUNTAIN SHADOW RING KING.....		1	20	1-86	20	1.6	10,637	4.84	515	5	24	+72	+.03	+6	+7
07-18-66	591619 2292249 5-73					135		10,460	4.71	493						
609400	FAT BEACON PINN AIM.....*		2	12	1-87	14	2.2	9,253	4.74	439	0	26	-19	-.03	-4	-4
10-02-65	563813 2149506 5-73					45		9,344	4.89	457						
609402	JESTER ROYAL JESSE.....*		2	14	2-33,42	16	1.0	6,221	5.22	325	0	21	-187	-.01	-10	-14
06-13-66	580594 2081625 5-73					40		6,864	5.38	369						
609461	TYMOR TORNADO.....*		12	10	6-11,12,	31	1.3	9,092	5.79	526	23	42	-157	+.23	+13	+6
12-11-66	563805 2185285 5-73				21,23,64	91		9,494	5.27	500						
609462	HETHERINGTON TOP COMMANO.....*		1	10	1-34	10	1.0	7,452	4.91	366	60	18	-183	+.01	-8	-12
10-10-66	532270 2181813 5-73					27		8,414	4.93	415						
609465	STARS SPANGLED BANNER.....*		2	9	1-32	15	1.5	8,305	4.84	402	20	28	-154	-.03	-10	-13
C9-22-66	597353 2500713 5-73					27		8,813	4.98	439						
609485	ADVANCER SLEEPING MILESTONE...*		4	12	2-73,74	17	1.7	12,099	4.67	565	0	29	+539	-.04	+23	+35
11-28-66	534585 2507466 5-73					33		10,327	4.72	487						
609491	J. JESTER GENTLEMAN JIM.....*		3	5	3-42,43,	10	1.0	6,572	4.82	317	10	23	-352	-.05	-22	-29
C7-08-66	601170 2569735 5-73				73	22		7,973	5.14	410						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HD	STATES ND- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS HM/OAU	REC/DAU HEROMATE	MILK	%	FAT	%	1ST LAC INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
609515 WHITEHOLM NOBLE BLUEBOY.....*		4	6	3-11,13,	15	1.0	7,722	5.22	403	50	31		-444	+.07	-16	-27
12-24-56 587546 2384630 5-73				21	39		9,180	5.01	460							
609595 SYBILS MILESTONE MILKBOY.....*		1	12	1-23	12	1.3	10,196	5.13	523	8	20		+12	+.04	+4	+4
07-28-66 584458 2240206 5-73					36		10,238	4.97	509							
609646 RELIABLE EMPEROR.....*		2	13	1-64	15	1.0	10,281	4.76	489	20	21		+72	+.02	+5	+6
05-13-66 594724 2280463 5-73					124		10,026	4.65	466							
609678 DANOY MARLU SULTAN.....*		3	13	1-57	17	1.0	10,791	4.75	513	12	23		+289	-.09	+6	+14
06-28-66 584458 2126087 5-73					25		9,586	5.12	491							
609684 MOUNTAIN SHADOW ADVANCERS REX.		1	35	1-86	35	1.4	10,622	5.00	531	9	25		+39	+.09	+10	+9
C5-08-66 553813 2241521 5-73					129		10,605	4.65	493							
609691 BEAUTYS WINSOME PRIDE.....*		4	5	2-42,56	15	1.1	8,813	5.14	453	23	32		-67	+.01	-2	-4
09-15-66 553149 2327726 5-73					47		9,006	5.14	463							
609705 ROYAL BEAUTYS MASTER.....*		1	10	1-31	10	1.1	8,827	5.00	441	20	18		-235	-.03	-14	-19
07-21-66 553149 2055739 5-73					17		10,224	5.21	533							
609724 LAVENDER LIBERATOR.....*		3	12	2-33,42	19	1.1	9,790	5.24	513	16	27		+166	+.05	+13	+16
03-22-67 631902 2182714 5-73					38		9,162	5.05	463							
609738 FAIR WEATHER FASCINATOR.....*		2	8	1-21	10	1.9	9,064	5.60	508	10	24		-49	+.06	+3	+1
09-21-66 553904 2394322 5-73					96		9,287	5.38	500							
609740 FAIR WEATHER ADVANCER.....*		7	4	3-13,14,	14	1.4	8,806	5.35	471	21	35		-175	+.03	-6	-10
02-12-67 553149 2566693 5-73				21	82		9,315	5.30	494							
609743 SUNBEAM SCULPTOR.....*	72-01	5	3	4-31,33,	10	1.0	8,720	5.38	469	10	27		-220	+.06	-6	-12
11-13-66 549122 2416380 5-73				56,63	50		9,561	5.20	497							
609747 TINY LEN VALOR ADA.....*		2	8	1-65	10	1.1	7,201	4.79	345	20	20		-234	+.01	-11	-16
12-24-66 594407 2232346 5-73					29		8,283	4.83	400							
609758 WONDERFUL ROYAL CORALAD.....*		2	10	2-41,42	12	1.4	10,867	5.26	572	25	23		+133	+.03	+9	+11
07-23-66 550800 2178481 5-73					19		10,397	5.19	540							
609790 JACK SUPREME FLOSS.....*		3	15	1-74	19	1.2	9,576	4.16	398	16	24		-85	-.10	-13	-13
11-13-66 587884 2454767 5-73					43		10,013	4.53	454							
609844 HEADSPRING HIGH BISHOP.....*		2	14	1-65	26	1.4	8,870	4.76	422	38	34		+19	-.02	-1	0
08-31-66 602499 2050922 5-73					58		8,771	4.85	425							
609846 HEADSPRING BLONDE FAME.....*		1	11	1-56	11	1.2	12,488	4.96	619	9	19		-27	-.02	-3	-3
10-22-66 578330 2545201 5-73					131		13,015	5.08	661							
609894 FAVORITE SECRET REB OF OGSTON.*		4	7	3-22,23,	16	1.0	11,715	4.52	529	6	30		+301	-.05	+10	+17
12-22-66 602283 2157823 5-73				55	61		10,853	4.61	501							
609903 MARLU MILAD CARAT.....*		3	13	1-33	17	1.2	9,061	5.51	499	18	25		-115	+.07	+1	-3
02-23-67 589069 2341894 5-73					34		9,573	5.22	500							
609904 MARLU TRADITION.....*	35-75	26	4	17-14,31,	41	1.2	10,279	4.91	505	15	60		+56	-.04	-1	+1
09-20-66 553805 2231590 5-73				43,74,93	51		10,295	4.99	514							
609905 MARLU MILESTONE MEDALLION.....*		1	10	1-56	10	1.0	8,451	3.83	324	90	18		-498	+.02	-23	-34
02-19-67 553805 2057458 1-73					54		11,500	3.97	457							
609916 H.V. EMBLEM NOBLE.....*		2	22	1-55	37	1.1	9,226	4.92	454	14	31		-159	.00	-8	-11
04-12-67 564357 2537851 5-73					167		9,798	4.94	484							
609917 H.V. BEAUTY HIGHFIELD.....*		2	17	1-55	30	1.0	9,728	4.95	482	10	31		+25	.00	+1	+2
04-13-67 553149 2525308 5-73					147		9,696	4.95	480							
609949 SAM PATS RING MAN.....*		3	5	2-13,55	12	1.0	8,082	5.56	449	33	27		-471	+.13	-12	-24
09-01-66 591619 2481630 1-73					31		9,884	5.07	501							
609966 MYRTLE VALE VALOR.....*		2	6	1-92	11	1.6	9,290	5.29	491	0	28		-291	+.13	-3	-11
09-03-66 594407 2424450 5-73					27		10,458	4.89	511							
609973 GRANOVU MILESTONE BEACON LADDI*		1	14	1-63	14	1.4	9,803	5.16	506	15	21		+26	.00	+1	+2
10-07-66 599067 2473825 1-73					28		9,735	5.22	508							
610021 FAWN DAWN LEADER J.B. TOM.....*		1	10	1-35	10	1.3	8,877	5.23	464	30	19		-145	+.01	-6	-9
03-15-67 589759 2491797 5-73					20		9,692	5.22	506							
610047 BRIGHAM VOL ZEV OF OGSTON.....*		2	12	2-22,56	14	1.6	12,626	4.46	563	7	24		+319	-.09	+7	+15
07-22-66 573846 1973774 1-73					78		11,546	4.69	542							
610066 MILESTONE SPARKLING YANK.....*		2	12	2-55,56	14	1.1	8,838	5.01	443	7	21		-111	-.02	-7	-9
03-30-67 584562 2248636 5-73					54		9,380	5.14	482							
610070 BEACON GOLDEN COMMANDO.....*		1	10	1-34	10	1.1	8,105	5.23	424	50	18		-180	-.01	-10	-14
11-01-66 598454 2463871 1-73					29		9,087	5.37	488							
610077 CROSSLAND ADORAS SNOW BASIL...*		1	13	1-42	13	1.4	7,832	5.26	412	0	21		-28	+.04	+2	+1
05-16-66 602034 2664537 9-72					48		7,838	5.07	397							
610097 BASILEUS SUPREME CHAMPION.....*		1	10	1-64	10	1.5	7,912	5.27	417	10	20		-45	.00	-2	-3
08-15-66 587884 2514778 5-73					58		8,027	5.34	429							
610098 MOUNTAIN SHADOW SECRET MARK...		1	13	1-86	13	1.9	10,087	4.77	481	23	23		+7	.00	0	0
02-24-66 576127 2703813 5-73					120		10,150	4.76	483							
610141 SADIE SIGNAL DREAMBOY.....*		1	10	1-23	10	1.5	9,208	5.06	466	20	20		-106	+.04	-2	-5
08-05-66 602532 2421449 9-72					40		9,834	4.94	484							
610158 AMBASSADORS FAVORITE ESTELLA..*		2	9	1-74	12	1.6	9,723	4.62	449	13	25		-25	-.03	-4	-4
12-17-64 575184 2400184 5-73					32		9,896	4.75	470							
610222 MILKMAIDS VALOR OF GRANOVIEW..*		1	11	1-91	11	1.3	8,782	5.09	447	33	20		-314	+.01	-15	-22
10-15-66 594407 2482058 5-73					23		10,532	5.10	537							
610230 BANSEN BELL RINGER.....		1	18	1-93	18	1.2	10,954	5.50	603	35	21		-288	+.06	-9	-16
03-06-67 591131 2265978 5-73					25		12,655	5.31	672							
610258 GREEN DREAM BELLE BOY.....*		3	18	2-11,12	23	1.1	12,011	4.91	590	18	26		+207	-.05	+6	+11
03-03-67 592073 2145527 5-73					63		11,420	5.07	579							
610264 MILLS FAVORITE.....*		3	8	1-88	16	1.4	10,921	4.70	513	33	31		-268	-.02	-15	-20
01-30-66 553813 2439132 5-73					41		12,670	4.77	576							
610265 BELLS SLEEPING SLEEPER.....*		3	6	2-31,32	14	1.2	9,185	5.12	470	7	30		+4	.00	0	0
10-04-66 599136 2284418 1-73					23		9,170	5.16	473							
610293 LAFAYETTE OF SUMMETZ.....*		2	8	1-42	10	1.5	9,595	5.32	510	10	22		-176	+.09	-1	-6
11-21-66 580714 2499334 1-73					44		10,534	4.97	524							
610295 MILESTONE SABLES STARLET.....*		2	9	2-58,65	11	1.0	7,120	4.71	335	82	20		-286	-.03	-17	-23
11-26-66 553805 2510784 5-73					28		8,481	4.96	421							
610316 HOME AGAIN MILAOS MILESTONE...*		1	10	1-61	10	1.0	7,648	4.79	366	30	18		-194	+.01	-9	-13
12-31-66 595256 2589701 5-73					19		8,701	4.84	421							

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS	REC/DAU	MILK HM/DAU	% HERDMATE	MILK %	FAT HM/DAU	% HERDMATE	FAT %	% IST INC	REPT	PREDICTED DIFFERENCES MILK	%	FAT	$$
610326 EASTWOOD SURPRISE MILK8DY.....*	72-01	21	3	7-23,52,	34	1.1	9,305	4.99	464	18	57	-308	+.04	-12	-19
01-03-67 584458 2191350 5-73				54,65,72	31		9,915	4.94	490						
610342 JESTERMAN TRISTRAM AIM.....*		2	11	2-88,92	13	1.0	12,592	4.76	600	8	21	+320	-.03	+13	+20
03-22-67 551459 2005284 5-73					42		11,249	4.87	548						
610349 PANSYS SWEET WILLIAM.....*		1	16	1-92	16	1.8	8,659	4.76	412	31	24	-315	-.03	-18	-24
12-01-61 580602 2696062 5-73					13		10,085	4.94	498						
610354 ANSOM TRISTRAM MILKMAN.....*		4	5	1-13	11	1.1	9,884	5.20	514	0	26	-215	+.07	-4	-10
11-07-66 594407 2459811 5-73					21		10,877	4.96	540						
610472 BENTON TRISTRAM MILAD.....*		1	10	1-91	10	1.5	8,039	5.76	463	20	20	-347	+.08	-10	-19
10-09-66 601947 2561506 5-73					9		9,842	5.30	522						
610475 ANSOM VALOR BETTY LAD.....	91-13	11	2	3-91,92,	23	1.0	11,155	4.73	528	4	49	+344	-.25	-7	+5
07-14-67 594407 2498564 5-73				93	19		10,588	5.23	554						
610524 WESTWOOD EXPERT EAGLE.....		1	11	1-92	11	1.1	9,905	5.47	542	0	19	+43	+.02	+4	+5
09-29-66 601258 2722916 1-73					6		9,724	5.44	529						
610633 TRISTRAM LADDIE POLLUX.....*		1	11	1-92	11	1.0	10,425	4.96	517	9	18	+91	+.03	+7	+8
04-04-67 592584 2206034 5-73					43		10,006	4.83	483						
610634 SAYPOE TRIS BONANZA.....*		4	7	2-87,88	15	1.1	11,990	5.10	612	27	30	+99	+.10	+14	+14
04-16-67 592584 2486258 5-73					44		11,935	4.83	576						
610649 MOLLYS TRISTRAM PRINCE.....*		1	12	1-35	12	1.1	8,050	5.20	419	18	19	-93	+.03	-2	-4
01-07-67 530104 2294773 5-73					32		8,474	5.11	433						
610707 MILESTONE VALOR SIGNAL.....*		1	12	1-55	12	1.0	8,870	4.90	435	0	19	-46	-.02	-4	-5
11-20-57 531152 2341460 5-73					29		9,113	5.10	465						
610720 HANSOME LEADER.....*		1	12	1-87	12	1.2	8,640	4.92	425	0	19	-53	-.01	-4	-5
01-04-67 530624 2500348 5-73					67		8,886	5.05	449						
610749 MARLU MILADY ENCORE.....*		2	24	1-41	26	1.0	10,469	4.38	459	0	23	+224	-.08	+4	+10
01-19-67 594407 2361320 5-73					26		9,519	4.60	438						
610752 MARLU EMINENT FANFARE.....*	72-01	10	2	4-31,34,	15	1.0	9,550	4.98	476	13	40	-100	-.02	-7	-9
10-29-57 605190 2361451 5-73				43,72	18		9,870	5.07	500						
610757 UK NORM JESTER BRAVO.....*	31-07	9	2	2-31,61	11	1.0	10,124	4.76	482	10	34	+172	-.07	+2	+7
09-13-67 592073 2451472 5-73					26		9,661	4.96	479						
610758 UK NORM MILESTONE KING.....		1	12	1-61	12	1.1	10,067	4.90	493	50	19	-247	+.05	-8	-14
06-04-67 592073 2507327 5-73					62		11,613	4.74	550						
610760 MILESTONE GENTLEMAN.....	35-75	6	4	6-23,35,	11	1.0	9,682	4.95	479	18	28	-224	-.04	-15	-19
08-23-57 553805 2147377 5-73				58,82,91	43		10,621	5.12	544						
610818 GABBERT VALOR TOREADOR.....*		1	11	1-55	11	1.0	7,640	4.84	370	9	18	-238	.00	-12	-17
06-11-57 531152 2403674 5-73					110		8,924	4.91	438						
610868 HAR-BET CORALADS EAGLE.....*		1	12	1-74	12	1.0	11,099	4.80	533	8	19	+310	-.03	+13	+20
10-26-66 560800 2624495 1-73					43		9,458	4.87	461						
610908 JOYCE CREEK ANSOM BARON.....*		5	9	3-82,91,	17	1.1	11,840	5.22	618	0	29	+264	+.01	+14	+19
04-11-57 594407 2145321 5-73				92	9		11,125	5.25	584						
610925 LAVENDER W.R. BEACON.....*		2	9	1-43	12	1.3	7,578	4.87	369	20	24	-202	+.02	-8	-13
08-20-66 532723 2394603 5-73					24		8,343	4.82	402						
610926 BLANTON STANDARD SIR.....*		8	5	4-55,56,	17	1.1	10,698	4.71	504	6	37	+173	-.09	0	+5
10-23-66 574191 2470585 5-73				58,74	56		10,342	4.92	509						
611009 FAIRVIEW TYGART BEAUTY.....*		2	7	2-21,54	13	1.2	9,438	4.42	417	8	28	-63	-.09	-11	-11
03-22-57 553149 1918478 5-73					11		9,720	4.73	460						
611022 ALTA SUN DANCER ODN.....		1	16	1-93	16	1.1	8,321	4.84	403	44	20	-176	-.02	-11	-14
02-13-67 585397 2405337 5-73					165		9,193	5.06	465						
611031 BABES ETTA MILESTONE.....*		2	8	1-31	10	1.3	7,803	5.54	432	20	21	-187	+.07	-3	-8
08-07-66 576342 2258377 5-73					34		8,643	5.18	448						
611046 ANSOM DANDY OXFORD.....*		1	10	1-31	10	1.0	8,803	4.51	397	40	18	-366	+.03	-16	-24
07-27-67 594407 2120093 1-73					18		11,062	4.49	497						
611052 GOLDEN ETTA TARZAN.....*		2	20	1-23	22	1.1	7,813	4.72	369	35	23	-223	+.03	-8	-13
04-17-57 584799 2294856 5-73					28		8,734	4.63	404						
611068 BLONDE CHAP OF JOUBLE J.....		1	30	1-35	30	2.4	9,083	4.71	428	7	28	+30	-.03	-1	0
10-09-63 568199 2704433 5-73					45		8,952	4.83	432						
611070 MIRACLE MAGIC ECHO.....*		1	13	1-63	13	1.6	6,122	5.18	317	23	22	-608	+.06	-25	-39
01-15-67 532723 2580169 5-73					31		8,854	4.88	432						
611076 CJF MILAD MASTER.....*		1	10	1-73	10	1.1	8,239	5.40	445	0	18	-238	+.08	-5	-11
09-25-57 589069 2510467 5-73					47		9,589	5.02	481						
611085 MAJESTIC VICTORY PHIL.....*	31-07	2	15	1-55	19	1.0	10,844	4.78	518	0	23	+391	-.03	+17	+26
09-26-67 603198 2443946 5-73					84		9,162	4.82	442						
611157 JERWOOD EPIC COMET.....*		2	7	1-41	12	1.9	10,415	4.93	513	0	30	+103	-.06	0	+3
06-19-66 588835 2490859 5-73					19		10,168	5.09	518						
611174 WENDYBROOK BIJOUS BEACON.....		2	15	1-51	17	1.8	8,503	5.20	442	18	26	-235	+.02	-10	-15
07-13-55 010127533 010346527 5-73					14		9,444	5.17	488						
611239 PINN CHAMPS KING.....*		1	13	1-73	13	1.1	10,016	4.94	495	85	19	+25	-.01	0	+1
01-24-56 599411 2520833 5-73					35		9,962	4.99	497						
611244 CHERRY NOBLE BRUCE.....*	23-13	12	2	3-22,23,	21	1.0	10,085	5.06	510	24	48	+132	+.06	+12	+14
06-03-57 546137 2389252 5-73				52	24		9,876	4.94	488						
611318 HUTCHINSON FARM PILOT.....*		5	5	3-64,65,	14	1.0	9,444	5.09	481	7	32	-29	+.10	+8	+6
10-18-67 553813 1989133 5-73				72	79		9,577	4.75	455						
611419 ROYAL AIM K. ROYAL.....*		2	6	1-32	12	1.0	8,596	5.08	437	17	26	-189	+.03	-7	-11
10-01-67 598527 2413349 5-73					19		9,356	5.01	469						
611425 HAWARDEN VALOR.....*		1	12	1-82	12	1.3	10,475	5.25	550	27	20	+113	+.06	+11	+12
04-14-67 594407 2565628 5-73					37		9,985	5.02	501						
611603 SLEEPER SUPREME.....*		1	26	1-63	26	1.2	7,277	5.14	374	32	23	-259	.00	-13	-19
05-26-56 587561 2530030 5-73					23		8,344	5.19	433						
611781 EPIC ADVANCER LAD.....*		2	11	1-35	13	1.0	8,679	5.71	496	8	21	-273	+.14	-1	-9
11-21-56 588835 2526633 5-73					19		10,091	5.08	513						
612021 SPARKLE WONDROUS BLONDE DANDY.*		3	23	1-56	27	1.3	10,646	5.08	541	8	26	+158	-.01	+7	+11
01-20-67 578146 2124738 5-73					69		10,118	5.12	518						
612065 KINGS ETTA BANOIT.....*		2	6	1-31	10	1.1	7,412	5.01	371	22	23	-210	+.02	-9	-14
07-20-66 600499 2561032 5-73					14		8,223	5.00	411						

REGISTRATION NUMBER NAME DF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS REC/DAU HM/DAU	HERDMATE	MILK	%	FAT	% IST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
612152 ACME JANET JOLLY.....		1	13	1-48	13	1.2	9,160	4.90	449	0	20	+140	.00	+7	+10
C8-30-56 588142 2305335 5-73					4		8,369	4.88	408						
612268 WILL MILAD BFD MAID OWL.....*		2	8	2-55,56	10	1.0	9,591	4.55	436	0	20	-62	-.03	-6	-7
03-01-68 589069 2439143 5-73					103		9,994	4.73	473						
612363 FAIR WEATHER NOBLE TORY.....*		1	10	1-23	10	1.1	8,888	5.09	452	0	18	-67	-.03	-6	-7
01-13-68 587546 2378895 5-73					19		9,269	5.31	492						
612530 QUICKSILVERS SECRET DREAMER...*		2	8	1-88	10	1.0	10,702	5.25	562	20	20	-422	+.08	-14	-24
10-14-67 593883 2354414 5-73					31		13,278	4.97	660						
612648 CERES RADAR DANNY.....*		2	14	1-33	28	1.7	7,757	4.87	378	9	36	-355	+.03	-15	-23
08-23-65 585431 2439463 5-73					11		8,687	4.82	419						
612727 MARLU COLONIAL FANFARE.....*		3	8	3-21,54,	11	1.0	7,825	5.18	405	36	22	-441	+.07	-16	-26
03-09-68 605190 2643713 5-73				63	14		9,915	4.90	486						
612802 IDLEMERE MILESTONE BARON.....*		1	12	1-93	12	1.1	9,032	5.45	492	0	19	-246	+.10	-3	-10
01-20-67 580372 2466473 5-73					103		10,460	4.99	522						
612823 P-J BIJOU ACME LINDAS CRUSADER*		1	38	1-87	38	2.3	9,832	4.87	479	9	28	+81	-.04	0	+2
02-16-64 594819 2255303 5-73					13		9,583	5.04	483						
613650 FAVORITE CARLA VICTOR.....*		1	10	1-74	10	1.2	9,087	4.60	418	0	19	-126	+.01	-5	-8
01-09-66 563813 2566172 5-73					21		9,832	4.56	448						
615341 LLEWELLYN HILL TOREADOR.....*		4	6	1-74	16	1.5	9,660	4.68	452	8	34	-60	-.03	-6	-7
01-26-63 593210 2224370 5-73					22		9,911	4.78	474						
010128117 BRAMPTON BASIL ACME 43M.....*		8	2	6-13,21,	11	1.2	9,737	4.81	468	29	35	+210	-.09	+2	+8
12-17-57 010121022 010284212 5-73				31,32,58	34		9,132	5.08	464						
010128872 MARLU COMMANDO MILESTONE.....*		9	3	5-21,32,	17	2.0	8,993	4.98	448	**	44	+51	-.01	+2	+3
08-28-58 563805 1748310 5-73				42,57,58	60		8,841	4.99	441						
010129360 KINGSHURST SUPREME CLIMAX.....*		15	5	7-13,21,	30	1.8	10,065	4.99	502	**	55	+233	-.05	+7	+13
10-18-59 010126905 1447061 5-73				23,58,74	29		9,687	5.09	493						
010129467 BRACKENHURST DIANA'S VALOUR...		19	4	4-88,91,	46	1.1	11,007	4.83	532	2	62	+8	-.15	-13	-10
01-14-60 010126771 010267153 5-73				92,93	32		11,194	5.06	566						
010129617 KINGSHURST FASHION.....*	35-05	14	3	8-11,12,	23	1.6	8,690	4.82	419	26	51	-485	-.11	-34	-43
02-14-60 010122649 010293096 5-73				13,21,42	21		9,691	5.07	491						
010129783 LINDALE BEACON ELITE.....*		11	2	6-11,12,	17	1.6	7,730	5.24	405	33	46	-843	+.05	-38	-57
02-08-60 010113607 010184163 5-73				13,21,31	13		9,600	5.13	492						
010130927 AVONDALE FORWARD.....*		4	5	3-13,21,	10	1.3	7,052	5.30	374	0	25	-80	+.04	0	-2
10-16-61 010563805 010343416 9-72				72	5		7,172	5.10	366						
010131627 AVONDALE ROYAL LADYSMAN.....*		6	6	4-13,23,	15	1.6	8,986	5.10	458	**	34	-195	+.02	-8	-12
12-26-62 010119768 010343416 5-73				31,91	24		9,607	5.08	488						
010131891 FALCONCROFT ROYAL MONARCH.....*		1	20	1-13	20	2.3	9,367	5.08	476	**	26	+30	+.03	+4	+4
11-17-63 010129102 010322615 5-73					25		9,257	5.00	463						
010180935 GLEN VALLEY CORONACH.....*		2	13	1-63	15	2.5	11,264	4.67	526	0	25	-9	-.05	-5	-4
08-04-49 010128895 010200030 5-73					57		11,536	4.85	560						
010192828 PAMPAS MOGUL.....*		1	14	1-63	14	3.1	12,008	5.06	608	0	24	-43	+.08	+5	+3
07-26-50 010139439 010226455 5-73					56		12,522	4.80	601						
11WAH6345		1	14	1-11	14	1.4	9,624	5.00	481	14	21	-186	+.03	-7	-11
5-73					36		10,658	4.94	526						
11WAK9551		1	21	1-11	21	2.1	9,886	4.98	492	0	26	-272	+.05	-9	-16
5-73					31		11,124	4.85	540						
13AAY0453		1	15	1-13	15	2.3	8,792	5.16	454	0	25	-128	+.03	-4	-7
5-73					20		9,321	5.11	476						
13WAH2211		1	24	1-13	24	1.6	9,391	5.16	485	27	24	-288	+.10	-5	-13
5-73					13		10,752	4.82	518						
13WAH3538		1	10	1-13	10	1.4	7,859	4.33	340	20	20	-275	-.05	-18	-23
1-73					20		9,272	4.67	433						
358LZ6311		1	15	1-35	15	3.4	8,744	5.02	439	0	27	-14	+.06	+5	+4
5-73					46		8,757	4.77	418						
358LZ6312		1	14	1-35	14	3.1	8,661	4.73	410	8	26	-10	-.01	-1	-1
5-73					46		8,651	4.77	413						
41W8K9086		1	13	1-41	13	1.4	10,801	4.91	530	31	21	+252	-.02	+11	+17
5-73					12		9,627	4.99	480						
41WOF7149		1	16	1-41	16	1.3	7,024	5.32	374	8	22	-205	+.01	-9	-14
5-73					6		7,848	5.29	415						
43WAA1461		1	15	1-43	15	1.3	7,013	5.18	363	33	21	-227	+.04	-8	-13
5-73					4		7,964	5.05	402						
87WAX1700		1	17	1-87	17	1.7	6,645	4.70	312	13	23	-335	+.03	-14	-22
5-73					5		7,962	4.62	368						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HO	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS HM/DAU	REC/DAU HEROMATE	MILK MILK	% %	FAT FAT	% 1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
64505 JUDD-S BRIDGE WINDSOR.....*	23-07	21	2	5-21,22,	31	3.8	12,027	4.09	492	**	67	+226	-.02	+7	+13
04-24-44 53929 55408 1-73				23,51,52	12		11,598	4.13	479						
68354 JUDD-S BRIDGE FERDINAND.....*	21-01	75	2	7-13,14,	112	3.6	12,067	4.09	493	**	87	-5	+.04	+5	+4
12-13-44 48672 91561 5-73				16,21,22	9		12,025	4.04	486						
86137 LEE-S HIL KEEPER-S EDUCATOR..*	23-07	28	5	6-14,21,	57	2.7	11,475	4.23	485	**	71	-254	+.07	-2	-9
07-07-47 55163 115550 1-73				22,23,51	9		11,758	4.15	488						
87681 PROFIT OF RIVERSIDE RANCH.....*	35-75	103	3	30-21,32,	167	2.7	11,156	4.28	478	**	89	-653	+.22	0	-20
06-01-47 58354 149309 5-73				41,51,57	9		11,817	4.04	477						
91845 LA RAINBOW BUR OEL.....*	31-01	68	6	14-22,31,	144	3.2	11,708	4.14	485	**	85	-279	+.04	-6	-13
10-15-48 57522 77958 5-73				32,43,56	13		11,984	4.11	493						
100828 TELLEENS BEAUTY H.....*	87-01	10	3	4-42,47,	18	3.8	11,552	4.06	469	**	51	-22	+.02	+1	0
10-01-49 75369 130529 1-73				82,87	9		11,495	4.03	463						
101807 LEE-S HILL KEEPER-S INTEGRITY.*	41-25	62	4	11-33,34,	145	2.5	10,966	3.85	422	**	87	-553	-.11	-35	-45
12-28-49 55163 144295 5-73				35,41,42	8		11,505	4.00	460						
103297 LEES HILL KING ARTHUR M.....*	35-02	40	4	10-22,23,	96	2.9	11,288	4.15	468	**	82	-413	+.15	+2	-11
01-15-50 90827 171663 5-73				34,35,51	10		11,714	3.94	461						
103302 LEE-S HIL KEEPER-S GRANDEE...*	48-01	28	8	5-35,43,	83	2.8	10,776	3.86	416	18	73	-206	-.07	-17	-20
10-04-50 55163 98789 5-73				47,48,73	9		10,896	3.98	434						
105201 ORANGEVILLE GALLANT-S HARRY...*	51-02	28	2	5-31,51,	36	2.9	11,658	4.17	486	11	69	-363	+.09	-3	-13
01-20-51 59813 126643 5-73				52,57,63	11		12,147	4.03	490						
105449 AVON VIEW IDEAL.....*	31-01	79	5	16-23,31,	132	3.5	12,030	4.25	511	**	86	-376	+.12	0	-11
02-12-51 48672 139974 5-73				32,35,52	13		12,464	4.11	512						
105570 YOUNKER HOMESTEAD-S COLONEL...*	21-01	15	1	5-13,16,	16	3.1	12,059	4.08	492	**	53	+202	.00	+8	+13
05-14-50 48672 175129 1-73				21,31,50	7		11,583	4.10	475						
106794 COLONELS DEFENDER OF J-A-M....*	61-02	85	3	15-23,31,	151	3.3	11,826	4.16	492	**	89	-363	+.08	-5	-15
07-29-50 48672 197223 5-73				35,42,57	12		12,205	4.08	498						
107506 HYCREST BUTLER.....*	34-01	44	3	20-11,14,	75	2.4	11,449	4.06	465	**	78	-396	-.01	-17	-26
10-06-50 55421 78476 5-73				34,48,51	12		11,895	4.09	487						
107516 ARBOR ROSE ACTOR STAR.....*	91-01	20	17	8-21,32,	81	3.9	11,561	4.15	480	5	64	-713	+.10	-17	-36
08-19-51 85891 166966 5-73				82,91,92	46		12,688	4.01	509						
107998 ORANGEVILLE GALLANT-S CITATION*	61-01	16	7	3-31,51,	55	2.7	11,163	3.77	421	**	66	+1	-.09	-11	-9
04-07-51 59813 98205 5-73				61	8		11,010	3.93	433						
109596 SPRING VALLEY LARGO.....*	42-02	62	8	11-33,35,	156	3.4	11,710	4.17	488	5	85	-64	+.05	+4	+1
12-14-50 71151 61653 5-73				42,46,82	10		11,705	4.11	481						
109953 P. V. WONDER LAD-S JERRY.....*	35-02	28	7	5-33,34,	115	3.4	12,393	4.01	497	14	81	+356	.00	+14	+22
09-31-51 92785 101585 5-73				35,42,51	9		11,890	4.02	478						
109954 P V WONDER LAD-S TERRY.....*	63-02	19	2	4-32,33,	28	2.9	12,848	3.90	501	**	62	+382	-.04	+10	+20
11-29-51 92785 193486 5-73				56,63	7		12,233	3.96	483						
109955 P. V. WONDER LADS KRISTY.....*	41-01	70	5	14-32,41,	177	2.4	10,828	4.01	434	30	88	-943	+.02	-36	-58
12-23-51 92785 159370 5-73				46,57,91	10		11,839	4.00	474						
110030 HAPPY OURS GLENDAS SQUIRE.....	87-01	12	4	4-82,87,	28	3.0	13,505	3.89	526	**	57	+617	-.05	+18	+33
02-17-51 97603 146460 5-73				91,92	7		12,416	3.98	494						
110355 LEE-S HILL INSTRUCTOR M.....*	33-02	11	3	3-31,33,	24	2.5	11,488	4.05	465	**	55	-70	+.02	0	-2
05-19-51 90827 121580 5-73				35	9		11,517	4.02	463						
111590 LEE-S HIL CUSTODIAN M.....*	16-04	32	9	8-11,12,	106	2.7	12,291	3.95	485	23	77	-437	-.13	-33	-40
06-19-51 90827 98780 5-73				13,14,16	11		12,901	4.13	533						
113250 ROLLING MEADOWS DIPLOMAT.....*		3	11	3-23,31,	15	3.1	13,564	4.55	617	0	29	-265	+.08	-1	-9
09-22-52 76059 193485 5-73				34	12		14,686	4.34	637						
114408 STARK ROSES VELVET PRINCE.....*	41-01	53	6	5-41,42,	141	3.0	12,339	4.08	503	10	85	+492	+.05	+26	+36
02-11-52 136601 175745 5-73				45,46,51	8		11,679	4.02	469						
115176 PEBBLECREEK JOY-S CREATOR.....*	35-75	85	10	21-21,32,	182	3.2	12,290	4.04	497	10	84	+167	+.03	+11	+14
11-01-52 136419 218830 5-73				34,55,57	9		12,044	4.00	482						
115273 P.V. KEEPER-S WONDER LAD OAN..*		2	20	1-32	36	5.6	13,826	4.07	563	**	43	+534	-.02	+19	+32
01-18-53 92785 193486 5-73					13		12,584	4.13	520						
115800 NORVIC MASTER VICTOR.....*		11	3	1-84	20	2.7	12,699	4.12	523	27	51	-99	+.03	0	-3
04-17-53 136902 175267 5-73					10		12,938	4.06	525						
116497 ARBOR ROSE OREGON PUNCH.....*		17	127	8-73,86,	183	3.5	12,933	4.06	525	6	40	-144	+.02	-3	-7
04-07-53 86356 174924 5-73				91,92,93	60		13,378	4.04	540						
116807 MEADOW VIEW ANDY H.....*	42-08	28	2	2-42,47	53	3.4	10,660	4.22	450	**	75	-595	+.12	-10	-26
05-15-52 58254 154679 5-73					8		11,332	4.07	461						
117219 BONANZA SENATOR.....*	41-25	56	5	8-41,42,	139	2.5	12,161	4.03	490	18	85	+14	-.03	-3	-2
11-15-53 75432 206636 5-73				45,47,48	10		12,103	4.08	494						
117640 OESIGN-S DESIRE-S MASTER.....*		13	50	6-73,86,	77	3.2	13,059	4.04	528	5	40	+61	.00	+3	+4
08-30-53 136902 248742 5-73				91,92,93	68		12,950	4.03	522						
118783 BABE-S SARGEANT.....*	35-75	43	2	21-31,35,	62	2.8	13,437	3.97	534	**	78	+1,096	+.02	+47	+72
05-26-53 59456 254525 5-73				41,55,91	8		11,984	3.93	471						
118913 NORVIC MASTER LARRY.....*		29	4	12-22,31,	52	3.8	12,441	4.28	532	**	73	-378	+.12	0	-11
08-20-53 136902 175028 5-73				33,35,42	13		13,012	4.13	537						
119565 FAIRACRES REVELER.....*	22-03	20	4	5-22,23,	48	2.3	10,441	3.96	413	**	68	-663	-.07	-35	-49
08-30-53 90827 171218 5-73				51,55,61	10		11,293	4.09	462						
120699 NORVIC MASTER MOELER.....*	35-05	32	11	4-33,35,	80	3.5	11,065	4.10	454	25	70	-729	+.06	-22	-40
09-05-54 136902 226590 5-73				41,42	11		12,070	4.02	485						
121031 G F GINGER-S SPARKLER.....*		4	8	3-32,34,	15	3.6	12,515	4.11	514	**	34	-5	.00	0	0
11-11-53 134817 224562 5-73				63	10		12,534	4.12	516						
121938 CHIPPEWA.....*		2	14	1-84	16	2.3	11,822	3.99	472	**	26	-49	.00	-2	-3
06-15-53 112722 101399 5-73					21		11,962	4.02	481						
121957 NORVIC MASTER POLLYMAN.....	41-25	64	3	13-41,42,	122	2.3	11,660	3.96	462	23	86	-206	-.02	-11	-15
07-17-54 136902 190880 5-73				45,48,57	9		11,833	4.00	473						
122242 MISCHKES ADVANCER.....*	93-05	21	4	7-82,86,	52	2.4	14,398	3.92	565	19	69	+910	-.08	+26	+49
10-03-54 114125 153872 5-73				88,91,93	17		13,135	4.04	530						
122428 ETHAN ALLEN ROBUST.....*	35-04	10	18	5-22,35,	42	3.3	12,540	3.94	494	**	46	+338	-.05	+7	+16
11-22-54 80792 161999 5-73				42,46,91	8		11,717	4.06	476						
122469 V. B. COUNT HAMILTON.....*		5	9	3-35,42,	20	4.5	11,281	3.95	446	0	41	-72	-.01	-4	-5
04-27-55 116500 267487 5-73				84	10		11,343	3.99	453						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HO	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS HM/DAU	REC/DAU HEROMATE	MILK	% FAT	MILK	% FAT	IST REPT INC	%	PREDICTED DIFFERENCES MILK	%	FAT	$$
122548 WALNUT CREEK GOLDEN SOL.....*	35-75	65	3	24-21,33,	104	2.5	12,200	4.03	492	10	84	-28	+.05	+5	+3
06-18-54 122187 197410 5-73				41,57,93	11		12,203	3.97	484						
122962 FORTUNES FOREMOST OF TWIN OAK.*	91-11	25	5	9-33,35,	55	3.2	11,122	4.14	460	15	71	-567	+.07	-14	-29
08-01-54 101496 153382 5-73				41,42,47	12		11,860	4.04	479						
123317 ARBOR ROSE TIP TOP BUSTER.....*		7	7	5-81,82,	17	2.5	11,894	4.05	482	**	37	-372	+.02	-13	-22
08-17-54 116387 136383 5-73				91,92,96	21		12,948	4.03	522						
124122 HYCREST DIAMOND JUBILEE.....*	31-01	59	2	20-14,21,	82	2.6	10,708	4.01	429	25	82	-1,107	-.04	-49	-74
01-14-55 107506 153007 5-73				31,51,84	14		12,010	4.07	489						
124396 V. B. ROAMER PAVANNE.....*	61-01	45	5	12-14,16,	102	2.6	12,179	3.89	474	22	81	-94	-.06	-11	-12
10-16-55 119848 250654 5-73				31,33,61	11		12,272	3.97	487						
124402 NORVIC MASTER SUNWISE.....*		13	10	6-13,31,	45	3.2	11,217	4.26	478	6	57	-833	+.13	-18	-40
02-18-55 106902 113768 5-73				33,35,64	15		12,690	4.04	513						
124528 PAY EVERYTHING OF FENLEA.....*		2	8	1-41	10	4.8	13,637	3.95	538	**	28	+334	-.03	+9	+18
10-17-55 119311 258574 9-72					7		12,418	4.06	504						
124600 P V WONDER LAD-S CAVALIER.....*		1	19	1-61	19	3.6	10,827	3.71	402	**	27	-157	-.01	-7	-10
01-30-55 115274 268950 5-73					9		11,301	3.77	426						
124753 JUDD-S BRIDGE GREGORY.....*		8	3	6-16,22,	16	3.4	13,285	4.09	543	25	46	+315	-.01	+11	+19
12-20-54 101836 248667 5-73				51,52,54	18		12,613	4.13	521						
125237 NORVIC MASTER VALOR.....*		8	19	4-33,42,	49	2.4	13,262	4.06	538	28	47	-122	+.03	-1	-5
03-22-56 106902 199009 5-73				43,86	15		13,635	4.02	548						
125283 HARRIETS ROYAL APOLLO.....*	34-01	22	7	5-31,32,	64	3.1	10,936	4.09	447	16	71	-815	+.02	-30	-49
03-04-56 116269 286712 5-73				33,34,56	9		12,046	4.07	490						
125443 HIGH MEADOW SENTRY-S BEAU.....*		8	12	2-51,52	27	3.3	12,481	3.94	492	**	41	+202	-.06	+1	+7
10-20-55 113149 220864 5-73					8		11,932	4.09	488						
125539 MEMORY LANE-S ENVOY.....*	21-01	51	2	7-12,13,	78	3.1	12,523	3.99	500	10	82	+388	-.04	+11	+21
02-19-56 93771 253792 5-73				14,16,21	10		11,997	4.04	485						
125640 WAVENEYS LADDIE G.....*	21-10	213	7	25-14,16,	674	1.8	13,825	4.10	567	13	96	+816	+.09	+45	+62
02-04-56 91609 210953 5-73				21,23,33	11		13,021	4.01	522						
125855 SLEEPY VALLEY ELDORADO G.....*		3	7	1-13	14	3.6	10,636	4.17	444	**	33	-661	+.04	-22	-38
04-20-56 116273 266610 5-73					36		12,648	4.08	516						
126860 OLD COLONY OBSERVER.....*	63-02	8	1	1-63	10	3.1	11,704	3.75	439	**	40	-159	-.03	-10	-13
04-17-56 76059 210052 9-72					6		12,057	3.85	464						
127089 HAWTHORNE APOLLO.....*		6	15	2-13,21	34	3.1	13,545	4.11	557	4	43	+86	-.02	+1	+3
03-19-56 116269 207195 5-73					16		13,438	4.17	561						
127325 OSTVAL-S NABOB-S ANTHONY.....*		6	5	4-33,35,	15	3.3	11,828	3.69	436	**	41	+275	-.05	+4	+12
07-12-56 102073 174137 5-73				41,45	6		11,002	3.81	419						
127853 NORVIC MASTER INMAN.....*	41-01	61	5	13-41,45,	140	2.3	10,857	4.03	438	22	85	-828	+.02	-31	-51
09-10-56 106902 175029 5-73				48,91,92	11		11,756	4.02	473						
127854 NORVIC MASTER ELLISON.....*	35-21	74	8	14-33,35,	177	2.4	12,090	4.21	509	14	85	-800	+.18	-11	-33
03-03-56 106902 226593 5-73				41,42,57	18		13,092	4.02	526						
127902 TALOKA DOUGHNUT-S WHIRLY.....*		1	34	1-73	34	3.0	11,127	3.80	423	**	29	-418	+.02	-14	-24
05-19-56 101165 166949 5-73					12		12,601	3.74	471						
128335 MEADOW VIEW MASTER.....*	35-21	104	7	17-35,41,	296	2.2	11,980	4.12	494	19	91	-322	+.10	-1	-11
08-26-56 106902 294823 9-72				42,47,48	11		12,315	4.03	496						
128369 NORVIC MASTER MOLDER.....*	41-25	9	3	2-47,48	18	3.7	10,909	4.07	444	14	50	-562	+.03	-19	-33
08-29-56 106902 156613 5-73					12		11,981	4.03	483						
128416 POWDER RIVER GENIUS.....*		6	11	5-81,86,	19	3.3	11,203	4.05	454	8	37	+87	-.02	+1	+3
06-30-56 121189 301826 5-73				87,91,92	12		10,794	4.14	447						
128476 MAPLEDALE-S BUSTER.....*		7	5	2-14,21	16	2.6	13,926	3.68	512	8	40	+389	-.11	+1	+13
08-22-56 122236 194727 5-73					10		13,011	3.93	511						
128860 HIGH MEADOW JESSE.....*		6	17	1-13	42	3.1	13,286	4.09	543	11	46	+292	-.01	+10	+17
08-15-56 53929 220866 5-73					41		12,671	4.14	524						
128917 HYCREST GRAND MASTER.....*		6	7	6-14,21,	15	3.2	12,587	4.23	532	11	35	+167	+.03	+10	+13
07-03-56 121816 216711 5-73				22,31,35	17		12,068	4.18	505						
129056 GAIL-S PACO GO.....*		3	8	2-22,33	11	4.7	12,359	3.98	492	0	30	+8	-.03	-4	-3
12-25-56 109762 251628 5-73					9		12,313	4.13	508						
129730 LEE-S HILL IMPARTIAL R.....*	23-05	50	5	5-21,22,	126	2.3	11,586	4.01	465	16	84	-351	-.10	-26	-32
10-04-56 80792 144295 5-73				23,51,52	8		11,947	4.15	496						
130181 .....*		4	4	4-31,35,	11	2.3	14,649	3.87	567	**	33	+395	-.07	+7	+18
5-73				52,91	13		13,564	4.06	551						
130238 RIDVLI LUCKY BEN.....		1	10	1-56	10	2.6	11,521	4.35	501	**	23	-76	+.04	+2	-1
05-16-57 77887 168898 1-73					6		11,792	4.17	492						
130327 .....*		5	2	2-86,93	10	2.4	17,814	3.83	682	**	34	+897	-.05	+29	+51
5-73					43		15,454	3.92	606						
130709 HYCREST ROYAL JESTER.....*	93-19	218	8	33-21,35,	675	1.7	13,339	3.91	521	15	95	+226	-.14	-9	-1
09-27-57 124122 293389 5-73				42,46,47	19		13,166	4.06	535						
131093 LEE-S HILL RIVAL J.....*		16	5	6-21,32,	40	3.0	12,488	4.19	523	10	63	-166	+.09	+5	-1
11-21-56 122787 290401 5-73				35,91,92	16		12,779	4.05	517						
131221 OSTVALS PROFESSORS WILLIAM....*		11	24	5-86,91,	59	2.7	13,867	4.05	562	**	49	+165	.00	+6	+10
11-02-57 85732 267301 5-73				92,93,96	26		13,639	4.08	556						
131441 NORVIC LARRY-S ELITE.....*		15	6	4-33,35,	45	3.3	11,753	4.40	517	0	66	-552	+.22	+4	-13
02-25-58 118913 226593 5-73				42,74	12		12,603	4.06	512						
131856 HAWTHORNE ROYAL MARK.....*		3	39	2-72,74	43	2.8	12,019	4.00	481	**	31	0	+.02	+3	+2
03-18-58 76059 250893 5-73					12		11,964	3.92	469						
131857 HAWTHORNE ROYAL ROAMER.....*		4	12	2-72,74	28	2.4	12,090	3.83	463	**	41	-67	-.02	-5	-6
04-01-58 78152 207194 5-73					18		12,228	3.88	475						
132114 NEEDMOR ELIZA-S SHOREMASTER...*		6	6	4-52,55,	16	4.1	12,810	4.11	526	8	42	+108	+.08	+14	+15
03-05-58 76059 257934 5-73				56,57	10		12,558	3.93	493						
132282 ROLLING MEADOWS HORATIUS.....*		2	14	2-16,22	16	1.4	9,507	3.97	377	**	24	-256	-.01	-11	-17
01-27-58 127208 271216 5-73					10		10,381	4.03	418						
132308 HYCREST CELEBRATION.....*	21-01	67	2	6-12,13,	117	3.1	12,123	3.98	483	20	87	-445	-.04	-23	-32
07-10-57 76059 265478 5-73				14,21,22	11		12,650	4.05	512						
132525 NU FASHION-S CLIPPER.....*	41-25	10	14	2-47,74	50	2.9	10,465	4.29	449	23	54	-607	+.08	-15	-31
10-25-57 115295 213079 5-73					11		11,485	4.15	477						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS	REC/DAU HM/DAU	MILK HEROMATE	% MILK	FAT %	FAT	% INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
132685 LEES HILL LAYMAN.....*	35-75	77	10	25-31,32,	202	1.7	12,778	4.01	513	13	83	-154	+.04	-1	-5
02-27-58 116678 183789 5-73				41,58,91	14		13,014	3.97	517						
132700 SEM-S ONWARD CHALLENGE.....*		2	9	1-31	11	5.2	14,851	3.89	578	9	28	+368	-.07	+6	+16
08-03-58 94253 307372 5-73					13		13,628	4.12	561						
132823 WELCOME IN CHERUB.....*	42-02	27	3	4-35,42,	44	2.8	12,528	4.06	509	7	70	+512	+.03	+24	+35
01-01-58 121816 326759 5-73				57,73	9		11,714	4.02	471						
133136 WELCOME IN PREMIER.....*	61-01	27	2	8-31,33,	45	2.3	12,371	4.15	514	D	71	+43	+.08	+12	+11
01-03-58 124652 221855 5-73				57,61,86	18		12,287	4.04	497						
133176 NORVIC PRINCE CHIP.....*		4	21	1-42	28	3.8	11,801	4.13	487	D	35	+275	+.02	+13	+19
09-25-58 124788 284573 5-73					6		10,846	4.09	444						
133219 MEADOW VIEW OEFENOER C.....*	93-05	8	4	4-56,82,	19	3.1	11,295	4.14	468	**	49	-672	+.08	-18	-35
01-01-58 136157 212031 5-73				92,93	7		12,679	4.00	507						
133225 V. B. PARAGON PAVANNE.....*		2	24	1-42	28	3.3	11,391	4.01	457	29	31	-227	-.05	-15	-19
08-10-58 119848 338430 5-73					10		12,082	4.22	510						
133292 OZARK AKHABAR.....*		11	3	4-56,61,	19	3.1	10,094	3.72	376	10	49	-567	-.04	-27	-39
12-06-58 112216 335060 5-73				63,64	9		11,102	3.84	426						
133303 WEST LAWN CONQUEST.....*		2	9	1-35	11	3.9	12,659	4.07	515	14	27	+130	+.06	+13	+15
12-24-58 121273 298200 5-73					9		12,134	3.81	462						
133305 SPRING VALLEY SILVERTHORN.....*		3	10	3-42,86,	14	2.5	11,353	4.14	470	**	27	-314	+.05	-6	-14
04-28-58 109596 171522 5-73				96	11		12,510	3.96	496						
133423 OHIO KAYAK-S SUPREME.....*		3	7	1-31	12	2.8	14,422	4.20	606	11	29	-57	+.01	-1	-3
04-06-58 99252 240224 5-73					4		14,852	4.22	627						
133478 .....*		8	1	4-35,41,	10	3.4	12,296	3.81	469	11	41	-63	-.08	-12	-12
5-73				42,48	14		12,447	4.02	500						
133643 HILLWINDS OIAMOND OANOY.....*		13	16	6-11,12,	42	2.5	13,613	4.05	551	18	47	-368	-.03	-18	-26
01-01-59 123374 156611 5-73				16,21,22	12		14,617	4.13	603						
133691 ACTIVE ACRES SUES TAMARIND....*	23-11	32	8	6-21,22,	102	2.4	12,178	4.03	491	12	76	-73	-.04	-8	-9
04-24-58 76059 282739 5-73				23,35,57	11		12,248	4.11	503						
133695 ACTIVE ACRES OIAMOND J.....*		4	11	3-21,22,	16	2.0	12,701	4.05	514	**	30	+81	-.02	+1	+3
02-20-58 124122 265464 5-73				63	12		12,421	4.12	512						
133813 NORVIC PRINCE PAUL.....		1	30	1-35	30	3.6	9,440	3.79	358	**	30	-137	+.01	-4	-7
01-19-59 124788 344712 5-73					4		9,610	3.77	362						
133926 PORT-HAVEN BEAUTY-S TAMARINO..*		3	9	2-41,43	12	3.3	12,337	4.12	508	33	28	-4	+.01	+1	+1
08-09-58 76059 285381 1-73					8		12,338	4.08	504						
134224 LEE-S HILL GENITOR.....*		8	13	3-33,41,	30	3.3	9,934	4.21	418	8	43	-544	+.06	-15	-29
10-29-58 128656 317542 5-73				42	4		11,041	4.08	451						
134309 AVON VIEW HALLMARK.....*	16-04	28	3	7-11,13,	51	3.0	11,882	4.01	477	26	74	-557	-.06	-29	-41
03-01-59 125449 251140 5-73				14,15,21	18		12,652	4.11	520						
134540 NORVIC LARRY FOREMOST.....*		4	18	3-33,35,	23	4.1	12,537	3.97	498	9	33	+101	+.01	+5	+7
04-16-59 118913 214511 5-73				96	12		12,193	3.94	480						
134552 JUDD-S BRIDGE RAINBOW.....*		13	43	5-35,41,	72	2.7	10,123	3.98	403	8	41	-155	+.01	-5	-9
10-04-58 113594 269394 5-73				42,46,47	12		10,278	3.97	408						
134592 WILLADAE D. B. MAYOR.....*		2	54	2-33,42	56	2.4	10,642	4.08	434	10	30	-136	+.01	-4	-7
09-13-58 97630 215165 5-73					13		10,950	4.05	444						
134801 WELCOME IN CLIMAX.....*		6	6	2-31,58	19	2.5	11,930	4.07	486	8	43	-41	-.03	-5	-5
04-06-59 121816 223960 5-73					10		11,972	4.18	500						
134901 NEEDMOR SUPREME T.....*	23-09	75	5	10-23,32,	203	2.1	11,522	4.39	506	23	89	-641	+.24	+3	-17
02-28-59 76059 257934 5-73				34,51,52	11		12,216	4.12	503						
135021 NEEDMOR SOVEREIGN T.....*	51-02	31	2	7-23,35,	40	2.7	10,795	4.16	449	15	71	-956	+.11	-26	-50
07-16-59 76059 270495 5-73				51,52,57	13		12,109	4.01	486						
135034 BENEVOLA TREVA-S TAMY.....*		6	7	2-51,54	23	3.8	10,762	4.18	450	15	47	-380	+.07	-7	-17
07-28-58 76059 231189 5-73					17		11,451	4.04	463						
135057 SHARON FARMS GRAND REGAL.....*	31-02	18	10	5-31,43,	72	1.8	13,497	4.01	541	8	65	+385	-.06	+8	+18
12-08-58 119793 151638 5-73				52,58,63	18		12,949	4.11	532						
135098 WELCOME IN SUPERIOR.....*	31-02	121	8	21-31,34,	432	2.4	11,993	4.02	482	19	93	-422	-.04	-22	-31
07-01-59 124652 339277 1-73				43,56,72	11		12,438	4.08	507						
135099 WELCOME IN CHATHAM.....*	93-19	29	107	11-73,84,	224	2.6	14,356	3.98	571	10	47	+411	-.04	+11	+21
03-27-59 124652 342752 5-73				91,92,93	60		13,581	4.07	553						
135101 WELCOME IN RIVAL.....*	63-02	24	10	6-45,56,	94	2.6	12,694	3.92	497	8	73	+152	+.04	+11	+14
05-14-59 124652 357367 5-73				58,61,63	9		12,481	3.85	480						
135104 WELCOME IN JEWELLER.....*	23-13	18	7	9-23,33,	49	1.8	13,114	4.03	529	14	60	+506	.00	+20	+32
05-09-59 124652 357372 5-73				51,52,63	18		12,244	4.05	496						
135105 WELCOME IN BENEDICT.....*		6	2	3-82,86,	12	1.8	13,032	3.96	516	**	39	-122	-.03	-9	-11
03-07-59 121816 279226 5-73				93	12		13,444	4.07	547						
135159 C. R. KEYSTONE.....*		2	50	1-43	56	2.6	9,742	3.80	370	**	32	+45	-.02	-1	+1
06-28-59 136557 224802 5-73					15		9,275	3.89	361						
135324 PORT-HAVEN PILOT T.....*		8	25	3-41,42,	55	1.7	13,159	4.16	547	13	42	+151	+.02	+8	+11
08-05-58 76059 266010 5-73				46	7		12,828	4.13	530						
135434 HAPPY OURS OAISYS KING.....*		11	6	6-35,42,	33	2.4	13,902	4.07	566	11	57	-131	+.04	0	-4
06-10-59 111885 126116 5-73				57,58,84	21		14,314	4.00	573						
135478 WILLOW BRIDGE INFIELDER-S NERO*		2	23	2-47,64	25	3.8	11,751	4.00	470	8	31	+19	+.02	+3	+3
02-08-59 114123 256729 5-73					20		11,595	3.94	457						
135487 NORVIC PRINCE BEAU.....*	35-21	130	7	19-33,41,	407	1.8	13,059	3.90	509	15	93	+617	-.15	+5	+23
02-10-59 124788 308965 1-73				42,47,48	15		12,382	4.07	504						
135602 BAB-S KAYAK KINSMAN.....*		6	5	2-91,92	17	2.7	14,977	3.93	588	**	41	+188	-.02	+5	+10
05-12-59 99252 244919 5-73					7		14,743	3.97	585						
135681 ACTIVE ACRES ACTOR Q. T.....*	31-07	29	3	11-82,87,	54	2.3	14,495	3.93	569	13	74	+686	-.06	+19	+36
11-16-58 123156 256220 5-73				91,92,93	12		13,686	4.00	548						
135996 MEADOW VIEW LARRY C.....*		3	12	1-42	19	3.6	10,280	4.11	423	0	34	-416	+.01	-15	-25
05-21-59 136157 191589 5-73					10		11,382	4.09	466						
136049 SPRING ACRES KING.....*		3	18	1-42	28	3.9	14,350	3.83	549	**	37	+385	-.05	+9	+19
12-04-57 70627 384395 5-73					5		13,394	3.94	528						
136140 V. B. ROYAL FLUSH PAVANNE.....*	33-03	253	9	40-21,23,	623	2.0	13,227	3.72	492	14	95	+592	-.28	-13	+7
02-22-59 119848 250654 1-73				31,35,58	14		12,610	4.02	507						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HO	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS	REC/DAU HM/DAU	HEROMATE	MILK	%	FAT	% FAT INC	LST	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
136151 QUINCY GALLANT PREMIER.....*		2	26	2-32,34	28	3.0		10,713	4.09	438	12	30		-292	+.03	-8	-15
03-29-59 77775 219960 5-73					14			11,609	3.99	463							
136208 NORVIC LARRY CHAMP.....*		1	14	1-35	14	4.0		10,626	4.08	434	18	26		-265	+.03	-7	-14
10-02-59 118913 325287 5-73					11			11,553	4.00	462							
136440 HYCREST TRADITION.....*	21-01	81	2	14-13,16,	132	2.7		11,554	4.21	487	18	88		-1,040	+.17	-22	-50
12-19-58 76059 292275 5-73				21,31,32	11			12,758	4.04	515							
136481 WELCOME IN OIXON.....*		5	31	2-23,57	40	3.3		13,436	3.80	510	10	35		+73	-.07	-6	-3
11-05-59 124652 235435 5-73					8			13,303	4.01	533							
136486 .....*		4	16	4-33,48,	24	2.5		7,969	3.97	316	**	34		-886	+.01	-34	-55
5-73				64,73	6			10,355	3.97	411							
136570 WHITE CLOUD LARRYS EMPEROR....*		1	47	1-91	47	3.2		14,424	4.16	600	5	30		+344	+.04	+19	+26
12-04-59 118913 303719 5-73					15			13,355	4.05	541							
136719 LEES HILL REGAL SAMARITAN.....*		6	8	3-31,35,	18	1.6		12,053	4.28	516	7	34		-297	+.06	-4	-12
07-01-59 131096 346972 5-73				52	9			12,989	4.10	533							
136738 MI KAY-S ACE.....*		3	8	3-48,63,	11	2.4		11,616	4.12	479	**	27		-117	+.01	-3	-6
03-19-59 114934 303625 1-73				86	28			12,005	4.12	495							
136767 FOXTRACTS NAN FORCASTER.....*	21-10	52	3	7-12,13,	85	2.5		12,739	4.01	511	18	82		-116	-.04	-10	-12
10-04-59 78152 297058 5-73				14,21,23	12			12,923	4.08	527							
136910 LEES HILL OEAN CONCORD.....*		11	11	7-12,13,	42	2.6		13,395	4.07	545	17	52		+146	+.02	+9	+12
09-11-59 80793 290401 5-73				21,31,35	14			13,178	4.03	531							
136963 SUNSET VIEW LEANDER.....*	21-10	75	3	10-13,16,	144	2.5		12,331	4.10	506	18	88		-512	+.08	-11	-25
11-12-59 114123 251324 5-73				21,23,84	12			12,960	4.03	522							
137117 EVERS PREMIER-S PATHFINDER....*		4	19	2-42,72	24	3.4		11,735	4.14	486	14	33		-145	+.01	-4	-8
10-18-59 128886 342663 5-73					9			12,145	4.14	503							
137211 WE-GOTTA OREAMS OESIGN.....*		7	2	2-21,23	10	2.8		12,923	4.01	518	14	37		-1	-.01	-1	-1
07-23-59 113594 272157 5-73					8			12,974	4.05	526							
137308 LEES HILL REGAL RANCHMAN.....*	35-21	61	5	14-33,35,	142	2.4		11,387	4.05	461	26	86		-891	+.03	-32	-53
05-20-59 131096 340027 5-73				41,42,92	18			12,421	4.03	500							
137334 BRYN CORON GERTIES SAGACIOUS..*		3	52	2-31,52	56	2.5		11,914	4.01	478	20	30		+14	.00	0	0
04-09-60 130709 251392 5-73					16			11,794	4.04	476							
137395 WELCOME IN JUDGE.....*	93-19	41	14	16-31,34,	155	1.9		12,729	4.11	523	13	77		+125	+.02	+8	+10
02-04-60 121816 342766 5-73				35,42,47	14			12,571	4.09	514							
137396 WELCOME IN VISITOR.....*	61-02	15	4	6-31,33,	36	2.3		11,810	3.70	437	5	61		-330	-.14	-30	-35
02-28-60 121816 212772 5-73				61,64,74	14			12,333	3.94	486							
137399 WELCOME IN OAUNTLESS.....*		7	6	4-31,35,	17	2.8		12,132	4.04	490	38	40		+151	.00	+6	+9
01-01-60 124552 363053 5-73				41,45	17			11,668	4.05	473							
137472 MAYFAIRS COMMANDER M. M.....*		3	13	2-32,64	20	2.5		10,542	4.04	426	25	32		-564	-.02	-25	-38
11-19-59 108666 280086 5-73					4			12,290	4.14	509							
137638 GRANTSTEADS ANDY 8.....	63-01	6	3	1-63	13	1.9		11,253	4.51	508	9	38		-368	+.18	+7	-5
07-15-59 91845 261842 5-73					1			12,189	4.01	489							
137684 HIDDEN VIEW SOVEREIGN A.....*		3	9	2-23,31	12	3.2		12,721	4.11	523	0	28		+152	-.02	+4	+8
11-08-59 107915 267816 5-73					21			12,139	4.20	510							
137808 STANSWISS OESIGNS OICK.....*		3	24	2-21,52	28	3.4		13,856	3.90	540	6	31		+110	.00	+5	+7
08-11-59 113594 195769 5-73					11			13,614	3.86	525							
137831 PLEASANT HILL JED.....*		3	13	1-32	22	2.2		14,202	3.75	532	**	34		+129	-.10	-7	-2
10-14-58 120510 269256 5-73					15			13,961	4.02	561							
137857 KANAKAS CENTURION WONDER OUKE.		2	7	1-41	12	2.0		13,531	4.03	545	**	29		+102	+.02	+6	+8
07-07-59 126600 321915 5-73					16			13,255	3.97	526							
138032 GOLDEN BELLS ROYCE RULER.....*		5	10	3-31,42,	19	3.0		12,313	4.27	526	13	37		+246	+.03	+14	+19
10-01-59 129884 171788 5-73				84	8			11,545	4.20	485							
138150 V. B. ROYAL CZAR.....*	35-05	13	9	5-31,33,	45	2.4		13,307	4.15	552	12	58		+245	+.05	+16	+21
03-30-60 76059 329564 5-73				35,41,42	17			12,922	4.07	526							
138211 BONNIE MEADOWS CINOYS INFIELOE*		9	3	1-21	22	1.7		10,751	3.82	411	18	48		-684	-.02	-30	-45
09-25-60 114123 293098 5-73					7			12,127	3.90	473							
138251 NORVIC LILASON CHIP.....*	23-09	10	4	3-21,23,	31	2.6		14,310	3.96	567	17	56		+324	-.03	+9	+17
08-06-60 131528 215464 1-73				51	11			13,871	4.01	556							
138316 ARBOR ROSE PUNCH POWER.....*		7	17	4-86,91,	30	2.3		13,692	4.23	579	19	38		-59	+.07	+6	+3
12-04-59 116497 140757 5-73				92,93	34			14,000	4.08	571							
138410 WELCOME IN CAPTAIN.....*		3	10	2-31,34	14	1.9		10,296	4.05	417	29	27		-154	+.03	-2	-6
07-29-60 124652 372061 5-73					8			10,695	3.95	422							
138415 KABILS BONOIT.....		4	4	3-41,42,	10	3.2		12,655	3.99	505	0	34		-32	-.01	-3	-3
01-09-60 128850 318703 1-73				46	6			12,779	4.05	518							
138452 WELCOME IN FIRSTCHOICE.....*	61-02	246	6	27-23,31,	681	2.4		12,347	3.92	484	15	96		-45	-.15	-21	-19
07-11-60 121816 342752 5-73				32,33,74	12			12,381	4.09	507							
138523 V.B. SIR DEMETRIUS.....*		6	21	3-33,57,	32	3.8		11,510	4.21	485	4	38		-454	+.03	-15	-26
06-23-60 127854 294482 5-73				61	13			12,734	4.16	530							
138624 WINTER KING SAMMIE.....*		1	23	1-93	23	2.9		12,082	3.61	436	12	28		-75	.00	-3	-5
02-18-60 107915 362309 5-73					20			12,340	3.61	445							
138719 HAPPY OURS JESTER.....*		6	8	4-48,81,	33	2.2		13,853	3.95	547	8	51		+237	-.06	+2	+9
07-08-60 132966 333075 5-73				84,92	40			13,485	4.06	547							
138748 NORVIC LILASON-S ELDOIAN.....*		4	16	3-32,33,	21	3.8		12,069	4.14	500	18	33		+152	.00	+6	+10
08-28-60 131528 308964 5-73				42	11			11,506	4.17	480							
138750 NORVIC LILASONS BEAUTICIAN....*	21-10	170	8	26-13,16,	484	1.9		14,105	3.88	547	17	93		+692	-.15	+8	+28
08-28-60 131528 308965 5-73				21,23,33	16			13,458	4.03	542							
138939 HYCREST SOLOIER.....*	23-09	17	3	3-23,51,	28	2.5		12,189	4.17	508	26	59		-258	+.03	-7	-14
02-18-61 107506 248893 5-73				52	9			12,643	4.14	523							
138957 RIDGE MEADOWS AUTUMNS TOPPER..*	21-10	34	2	8-11,12,	43	2.9		12,506	4.13	516	8	74		+24	+.07	+10	+9
05-23-60 107915 259627 5-73				13,21,23	9			12,459	4.03	503							
139036 LEES HILL NOBLEMAN S.....*	33-03	202	5	34-23,31,	519	1.4		12,743	4.05	516	18	95		-196	+.02	-5	-10
11-16-60 107915 174924 1-73				33,41,42	17			12,999	4.04	525							
139068 V. B. RAVEN PROFILE.....*	61-02	67	4	12-31,33,	173	2.2		11,206	4.10	460	26	88		-973	+.01	-38	-61
11-06-60 112216 217677 5-73				42,81,84	12			12,286	4.10	504							
139126 WELCOME IN BANNER.....*	35-21	31	5	5-33,35,	81	2.3		11,502	3.96	456	28	76		-798	-.01	-33	-51
11-11-60 121816 210247 5-73				41,42,64	15			12,553	3.99	501							

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES AND WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS	REC/DAU HM/DAU	HERDMATE MILK	%	FAT	%	IST REPT	PREDICTED DIFFERENCES MILK	%	FAT	$$
139127 WELCOME IN MOONLIGHT.....*		17	40	8-31,32,	138	2.2	12,949	4.25	550	13	57	-441	+.10	-5	-17
10-30-60 121816 325683 5-73				35,42,84	15		13,863	4.09	567						
139132 EDEN VALLEYS NAVAJO.....		1	11	1-92	11	3.6	15,245	4.02	613	25	24	+145	.00	+6	+9
10-08-60 131693 351069 5-73					23		14,880	4.01	597						
139158 JUDDS BRIDGE ROWES SUPREME....*		7	5	3-13,21,	14	2.9	14,387	3.98	573	18	37	+555	-.03	+18	+32
04-29-60 131243 337835 5-73				22	43		12,947	4.08	528						
139202 ENGLISHS CHARMING BILL.....*		3	10	1-31	14	2.8	14,051	4.02	565	14	29	+226	-.02	+7	+13
07-26-60 121816 342149 5-73					20		13,354	4.09	546						
139232 WHITE CLOUDS LARRY IMPERIAL...*		12	8	11-21,22,	36	2.3	13,990	4.00	560	9	52	+137	.00	+5	+8
12-13-60 118913 284581 5-73				35,42,86	20		13,853	4.01	556						
139273 ROLLING MEADOWS ALARIC.....*	35-75	50	6	25-23,31,	118	1.5	14,395	3.95	568	14	78	+609	-.12	+9	+26
07-31-60 127208 167170 5-73				32,35,74	16		13,736	4.09	562						
139282 MEADOW VIEW CLIPPER DESTINY...*	35-05	56	8	9-33,35,	145	1.7	12,795	3.95	506	19	80	-73	-.05	-9	-10
11-17-60 117638 383497 5-73				41,42,74	17		12,928	4.03	521						
139283 MEADOW VIEW RHOMASTER.....*	35-21	29	4	11-35,41,	57	1.8	13,267	4.10	544	11	70	+158	+.03	+10	+13
07-06-60 128335 361718 5-73				42,47,84	16		13,101	4.07	533						
139536 NORVIC LILASONS LOMAR.....*	35-05	36	9	8-23,33,	91	2.7	13,119	4.02	527	8	74	+268	-.04	+5	+12
02-04-61 131528 344691 5-73				35,41,42	15		12,783	4.09	523						
139591 LEES HILL SOCRATES S.....*	23-13	76	9	21-31,34,	205	2.0	12,176	4.03	491	19	86	-42	-.05	-8	-8
11-08-60 107915 267816 5-73				43,51,52	16		12,194	4.11	501						
139597 LEES HILL REGAL SPARTAN.....*	93-19	52	5	15-35,42,	116	1.8	11,752	4.17	490	13	82	-286	+.11	+2	-7
09-08-60 131096 346972 5-73				46,47,61	15		12,055	4.03	486						
139618 NORVIC LILASONS LONANCE.....*	35-05	3	24	1-42	33	3.1	12,911	4.01	518	7	35	+236	.00	+10	+15
01-31-61 131528 365779 1-73					11		12,195	3.99	487						
139627 V.B. MILORD BRYAN.....*		2	10	1-32	12	1.3	9,404	3.99	375	29	21	-407	+.02	-14	-24
05-19-61 136141 343017 5-73					7		11,195	3.91	438						
139631 V. B. SIR PARAGON.....*	35-21	18	15	7-33,35,	52	2.2	12,929	4.07	526	6	52	+267	+.01	+12	+18
01-17-61 127854 316488 5-73				41,42,46	10		12,399	4.06	504						
139632 V. B. SIR MONTEREY.....*		2	19	1-42	35	2.8	11,047	4.18	462	19	40	-444	+.04	-13	-24
04-25-61 127854 169745 5-73					6		12,133	4.10	497						
139665 BRIGHTS CLAIM SUPREME.....*		2	12	1-42	23	3.1	12,299	3.91	481	11	39	-36	+.01	0	-1
09-11-60 110327 290347 5-73					20		12,380	3.87	479						
139692 BRIGHTS DONAVON E.....*		2	8	1-42	15	2.6	11,443	4.12	472	33	34	+49	+.02	+5	+6
10-11-60 110327 290341 5-73					5		11,165	4.04	451						
139764 OSTVALS PROFESSORS INFIELDER..*		4	10	1-42	23	2.1	11,115	3.93	437	**	39	-65	+.01	-1	-3
02-15-60 85732 344252 5-73					11		11,147	3.90	435						
139774 BRAD-LOU KAYAKS FRISKY.....*		5	39	2-72,74	50	2.4	14,072	4.08	574	7	33	+198	+.02	+10	+14
02-11-60 99252 264393 5-73					24		13,571	4.05	549						
139783 TUOLUMNE ERIK.....*		2	52	1-93	54	4.1	14,408	4.17	601	2	33	+26	-.02	-2	-1
03-14-61 134206 355013 5-73					31		14,529	4.27	621						
139791 WELCOME IN CHARTER.....*	34-01	26	4	6-31,32,	59	2.3	10,656	4.04	431	20	73	-732	+.04	-25	-43
02-19-61 135095 326761 5-73				34,43,63	13		11,573	4.00	463						
139924 BEL-AIR ANDBEL BELLS MAJOR....		1	20	1-21	20	1.8	11,651	4.01	467	**	25	+184	+.02	+10	+14
05-15-61 131614 363675 5-73					19		10,724	3.92	420						
139926 SUNNY LANE AUTUMNS JUPITER....*		8	5	2-21,23	17	1.7	12,391	4.12	510	33	40	+438	+.03	+21	+30
07-04-61 107915 291318 5-73					11		11,152	4.05	452						
140021 WELCOME IN DREAMER.....*		6	7	4-31,32,	26	1.4	10,802	4.05	438	43	37	-754	-.02	-32	-49
03-27-61 121816 365391 5-73				35,57	21		12,859	4.12	530						
140023 WELCOME IN STYLISH.....*		7	9	5-84,86,	22	3.3	14,190	4.02	570	**	42	+153	-.01	+5	+9
03-28-61 135095 378423 5-73				91,92,93	61		13,973	4.04	564						
140025 WELCOME IN JOANS SUPREME.....*		5	26	3-16,21,	33	3.4	14,484	4.03	583	16	34	+119	-.01	+4	+7
04-05-61 124652 177754 5-73				31	25		14,308	4.05	579						
140077 ALFALFA MEADOWS SUPREME J.....*		3	28	1-48	57	2.5	11,263	4.03	454	14	43	-307	+.02	-10	-18
10-29-59 112216 317216 5-73					9		11,920	4.00	477						
140291 WALHALLA MAESTRO MOHAWK.....*		5	20	3-13,14,	30	2.6	13,028	4.19	546	24	34	-134	+.03	-2	-6
04-18-61 128250 299739 5-73				21	50		13,521	4.15	561						
140360 LEES HILL REGAL BADGER.....*	23-11	41	5	15-12,22,	91	2.2	11,780	4.06	478	19	79	-531	+.04	-16	-29
10-18-60 131096 340028 5-73				23,32,52	11		12,443	4.01	499						
140365 MARY LES DOLLS TIPTON.....*		5	4	1-33	13	4.1	13,025	4.17	543	0	41	+358	+.02	+17	+25
07-05-61 136491 361986 5-73					8		12,115	4.14	502						
140390 BRIGHTS K E.....*		5	9	2-48,73	17	3.8	14,158	4.17	590	0	38	+675	+.02	+30	+45
08-23-61 110327 346535 5-73					25		12,340	4.15	512						
140414 ELDER CREEK KING AL.....*		1	10	1-34	10	3.2	12,355	4.14	511	22	23	-252	+.02	-8	-14
08-12-61 116269 335139 5-73					15		13,558	4.09	554						
140446 SUGAR VALLEY FAIR TIME.....*		2	8	2-31,57	10	5.2	12,989	4.29	557	0	28	+174	-.01	+6	+10
08-04-61 107915 305832 5-73					6		12,354	4.36	539						
140540 WELCOME IN BACKGROUND.....*	93-03	6	4	2-86,93	13	2.5	15,110	4.01	606	13	39	-3	-.01	-1	-1
07-11-61 121816 326762 5-73					51		15,410	4.05	624						
140560 OHIO CHARMING PATRIARCH.....*		1	29	1-31	29	3.6	12,561	4.55	572	4	29	-181	+.05	-1	-6
08-04-60 121816 345024 5-73					8		13,261	4.43	588						
140667 BENEDALE BETSYS PILOT.....*		3	9	2-33,35	14	2.0	12,539	4.14	519	0	29	+137	+.02	+8	+11
12-22-60 88545 172006 5-73					15		12,009	4.08	490						
140678 SPRING VALLEY BRUTUS.....*		10	2	4-35,41,	18	2.8	12,595	4.06	511	**	52	+94	+.02	+6	+8
12-27-60 134163 209058 5-73				42,86	13		12,402	4.02	499						
140685 NEEDMOR SUN BARON.....*		4	11	3-22,50,	16	3.6	12,353	4.46	551	0	32	+64	+.08	+12	+12
04-04-61 107915 257934 5-73				51	34		12,112	4.25	515						
140688 LEES HILL REGAL SCIENTIST.....*		5	4	2-33,35	10	3.7	11,570	4.49	520	14	34	-98	+.12	+11	+6
03-19-61 131096 332706 5-73					10		11,785	4.12	486						
140744 G. F. EXPLORER.....*		9	2	5-13,31,	11	1.7	15,163	3.82	579	0	38	+913	-.09	+24	+47
12-24-60 128899 384301 5-73				34,58,91	25		12,795	4.05	518						
140762 GREAT SOUTHERN C LAD.....*		6	19	2-72,74	30	2.9	12,973	3.75	487	0	36	+131	-.03	+2	+6
02-09-60 121816 282151 5-73					13		12,618	3.80	480						
140766 RHODODENDRON CARRIER.....*		2	24	1-32	26	2.2	15,251	3.91	596	13	27	+102	+.01	+5	+7
11-01-61 134071 325306 5-73					17		15,142	3.87	586						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS HM/DAU	REC/DAU HERDMATE	MILK	% FAT	FAT	% 1ST INC	REPT %	PREDICTED DIFFERENCES MILK	% FAT	FAT $$
140872 WELCOME IN FUTURE.....*	35-21	128	7	18-33,35,	408	2.4	11,971	4.04	484	11	94	-447	+.05	-12 -23
11-15-61 121816 220062 1-73				41,42,47	13		12,442	4.00	498					
140875 WELCOME IN KLONDIKE.....*		7	20	2-35,74	46	2.4	13,593	3.74	509	7	44	+97	-.01	+3 +5
09-26-61 121816 291211 5-73					34		13,469	3.73	502					
140878 WELCOME IN CYCLONE.....*		2	17	1-41	19	2.6	12,109	3.90	472	29	28	-259	.00	-10 -16
09-08-61 124652 377139 5-73					6		13,111	3.93	515					
140879 WELCOME IN CHAMELOT.....*		3	8	3-34,43,	15	2.6	11,940	3.82	456	**	34	-298	-.04	-17 -23
09-27-61 124652 372061 5-73				46	21		12,855	3.96	509					
141064 SCHMIDTS HILL DESTINY ODN.....*		1	10	1-42	10	2.4	13,190	4.01	529	**	23	+295	-.01	+11 +18
10-02-61 118619 308276 5-73					11		11,819	4.03	476					
141108 BETSYS ESQUIRE.....		1	12	1-45	12	1.0	9,566	4.54	434	**	19	-59	+.05	+4 +1
02-12-61 131962 315653 5-73					1		9,598	4.17	400					
141117 GRANTSTEADS BUCCANEER.....*		4	9	4-31,32,	17	2.1	12,063	4.10	495	11	33	-170	+.05	-1 -6
05-19-61 128917 371083 5-73				57,74	21		12,586	3.99	502					
141170		1	10	1-32	10	1.1	10,957	3.93	431	20	18	-62	+.02	0 -2
5-73					6		11,171	3.87	432					
141179 REDDINGS TEMPEST.....		3	9	1-32	12	2.2	11,071	3.93	435	27	27	-55	.00	-2 -3
04-20-61 116273 360024 5-73					6		11,142	3.96	441					
141229 OARBYLAND NICK.....*		1	12	1-31	12	2.1	10,675	3.99	426	11	23	+233	.00	+9 +14
09-16-60 121816 359895 5-73					5		9,358	4.03	377					
141503 LEES HILL MUSCOVITE.....*		2	20	1-23	22	3.2	13,098	4.38	574	0	29	+51	+.05	+8 +8
10-22-61 138073 392633 5-73					10		12,967	4.25	551					
141580 CONCORD DEAN IDEAL.....*		5	6	1-52	21	3.5	12,376	4.23	524	**	49	+73	+.10	+16 +15
10-09-61 136910 245768 5-73					14		12,194	4.03	491					
141588 HAWTHORNE SUN ROCKET.....*	21-10	51	2	7-12,13,	86	2.3	11,967	4.03	482	31	82	-598	-.01	-25 -39
02-27-62 107915 235482 5-73				16,21,58	13		12,717	4.05	515					
141625 LOGAN VALLEYS ADRIAN J.....*	35-21	11	25	3-35,47,	57	2.1	12,881	4.08	526	13	44	-187	.00	-7 -11
10-08-61 125472 253236 5-73				74	12		13,395	4.11	550					
141632 WHITE CLOUD IVETTAS LADDIE....*		4	15	5-22,31,	20	2.9	16,605	4.12	684	6	31	+416	-.05	+10 +21
04-29-62 131528 296971 5-73				52,57,84	17		15,581	4.29	669					
141679 C.B. SIRE PROFESSOR.....*		2	18	2-32,35	20	2.1	11,283	4.01	453	10	27	-194	+.01	-7 -12
05-01-62 128656 303245 5-73					14		11,950	4.03	481					
141708 MEADOW VIEW DESTY RAJAH.....*		1	27	1-42	27	2.2	11,876	4.19	498	23	27	-8	.00	0 0
06-25-61 118619 361718 5-73					19		11,841	4.23	501					
141739 ERVS LINDAS ENSIGN.....		1	13	1-42	13	1.8	9,854	3.98	392	**	23	-170	+.03	-3 -8
12-22-61 135488 237401 1-73					3		10,397	3.84	399					
141756 WELCOME IN FOREMOST.....*		9	12	8-31,33,	36	1.7	12,583	3.84	483	29	45	+272	-.02	+8 +15
03-18-62 121816 377140 5-73				35,52,58	14		11,921	3.88	462					
141757 WELCOME IN FONO DELUXE.....*	61-02	9	3	4-31,33,	18	2.6	13,028	3.86	503	29	50	-106	-.06	-12 -13
04-12-62 135098 326763 5-73				61,86	24		13,323	4.00	533					
141758 WELCOME IN LEGACY.....*		2	18	1-41	20	2.5	12,559	4.37	549	37	27	+19	+.07	+9 +8
04-14-62 121816 378439 5-73					14		12,485	4.14	517					
141760 WELCOME IN VIRGINIAN.....*		5	6	3-31,58,	17	2.0	11,331	4.05	459	35	37	-522	-.02	-23 -35
04-27-62 121816 212772 5-73				74	14		12,779	4.12	526					
141761 WELCOME IN CHIEFTAIN.....*	41-01	40	7	10-41,42,	79	1.7	12,064	4.08	492	15	71	-125	+.02	-3 -6
05-11-62 121816 326761 5-73				45,46,48	10		12,210	4.07	497					
141768 MILLIES COLONELS CADET.....		2	11	1-33	13	1.8	10,527	4.04	425	**	24	-197	-.02	-10 -14
10-23-61 139680 363558 5-73					9		11,236	4.17	469					
141776 MEADOW VIEW KREST.....*	35-75	5	37	3-34,41,	51	2.6	14,300	3.87	554	14	35	+539	-.07	+12 +26
09-12-61 137484 383496 5-73				42	9		12,797	4.09	523					
141777 NORVIC LILASONS INCONFIDENCE..*	91-11	23	2	10-23,31,	36	2.2	13,755	4.01	552	4	67	+1,130	-.02	+42 +69
10-04-61 131528 288214 5-73				32,42,58	18		12,021	4.06	488					
141778 NORVIC LILASONS MARVEL.....*		9	4	4-35,41,	22	2.8	11,760	4.13	486	22	51	-232	+.05	-3 -9
02-09-62 131528 344691 5-73				61,74	13		12,181	4.06	494					
141783 BLACKLAND BLOSSOM APOLLO LIEGE*		6	27	3-33,57,	44	2.4	12,682	4.24	538	12	36	-93	+.06	+4 0
09-09-61 136139 310406 5-73				74	15		12,978	4.09	531					
141817 FOUNTAIN CREEK MONARCH.....*		2	24	2-33,64	26	3.4	12,194	3.99	486	9	31	-203	+.01	-7 -12
03-09-62 114123 205548 5-73					20		12,900	3.98	514					
141843 NORVIC LILASONS LONATE.....*	35-05	9	23	4-35,41,	40	2.3	13,090	4.29	561	6	38	+108	+.04	+9 +11
02-02-62 131528 365779 5-73				42,86	10		12,839	4.21	541					
141857 LEES HILL REGAL GUARDIAN.....*		5	8	4-35,41,	19	1.9	12,961	3.91	507	20	37	-92	-.03	-8 -9
09-04-61 131096 365030 5-73				42,57	6		13,294	4.02	535					
141963 HEFTYS SUPERBS TITANIC.....*		2	8	2-42,58	10	3.6	13,394	3.49	468	10	26	+178	-.08	-3 +3
08-22-61 135498 376301 5-73					16		12,720	3.77	480					
142076 BROOKLAWNS JERRY.....*		9	8	3-32,33,	23	2.1	12,736	4.44	565	19	42	-858	+.17	-14 -37
01-01-62 131645 379826 1-73				86	58		15,012	4.07	611					
142224 LEES HILL REGAL ROBIN HOOD....*		7	17	3-21,22,	35	1.9	12,968	3.99	518	45	39	-283	+.02	-9 -16
04-11-62 131096 317544 5-73				52	15		13,833	3.97	549					
142382 SHELBURNE DESTY LANCELOT.....*		2	9	2-13,23	11	2.7	15,084	4.16	627	9	25	+354	+.02	+17 +25
08-23-62 118619 399472 5-73					64		13,800	4.11	567					
142425 NEEOMOR ROBIN.....*		1	10	1-51	10	2.3	11,875	4.31	512	14	22	-101	+.02	-2 -5
06-11-62 116273 376891 1-73					43		12,325	4.28	527					
142503 OSTVALS NABOBS MAJOR.....*		2	15	1-63	17	3.2	10,144	3.62	367	0	29	-84	-.04	-8 -9
11-18-61 132073 317452 5-73					6		10,239	3.77	385					
142593 BARR-H INFIELDERS NAPOLEON....*		1	13	1-64	13	2.9	12,325	4.17	514	8	25	-13	+.04	+5 +4
07-08-62 135478 236449 5-73					22		12,367	4.00	495					
142675 WELCOME IN MERCER.....*		6	10	3-31,58,	22	2.7	14,591	4.08	596	19	40	+475	+.02	+21 +32
09-11-62 124652 309153 5-73				63	15		13,495	4.06	548					
142705 KA WA DUBLIN.....*		2	25	1-32	36	2.0	11,988	4.27	512	6	33	+2	+.04	+5 +4
07-08-62 137467 404027 5-73					12		11,922	4.17	497					
142759 WILLOW BRIDGE ROSES CAPTAIN...*	31-07	38	5	9-33,35,	109	1.6	13,255	3.89	516	12	80	+386	-.12	0 +12
01-17-61 135479 163866 5-73				42,52,84	15		12,797	4.06	519					
142766 SUGAR VALLEY DEACON.....*		4	4	4-31,33,	11	1.7	13,552	4.22	572	22	31	+39	+.05	+8 +8
10-11-62 130695 275107 5-73				34,35	14		13,528	4.07	551					

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEIFERS	EFF OAU /HO	STATES NO- WITH MOST OAUS	... DAUGHTERS AND HERDMATES ... OAUS	REC/OAU HM/OAU	HERDMATE MILK	% FAT	MILK FAT	% 1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
142817 FULLPAIL GLAMOUR SQUIRE.....*		2	18	1-92	20	3.3	14,978	4.11	615	8	29	+63	+.02	+5	+6
C4-23-62 126599 318837 5-73					25		15,014	4.06	609						
142848 LEES HILL REGAL RUBICON.....*	51-02	71	6	14-22,23,	180	2.1	11,938	4.10	489	23	87	-604	+.01	-23	-37
12-14-62 131096 174924 5-73				31,51,52	18		12,650	4.10	519						
143077 BENEDALE SINGERS DYNAMIC.....*	21-10	23	2	6-12,13,	36	1.9	12,318	4.04	498	33	66	-469	+.03	-15	-27
03-17-63 124652 278965 5-73				16,21,22	12		13,093	4.01	525						
143103 NAKOTA JAREO LUCKY.....*	41-01	32	3	11-41,42,	52	2.0	13,195	4.04	533	28	71	+139	+.01	+7	+10
01-04-63 125472 397825 5-73				45,46,92	10		13,052	4.02	525						
143135 WHITE CLOJO LARRYS HARMONY....*	23-09	14	4	4-23,31,	36	2.5	12,732	4.15	529	11	62	-36	+.04	+4	+2
11-18-62 118913 199840 5-73				51,57	15		12,822	4.09	525						
143250 WELCOME IN FONO JESTER.....*		1	26	1-31	26	2.6	13,747	4.06	558	24	27	+128	-.01	+4	+7
09-21-62 135098 405610 5-73					13		13,358	4.10	548						
143321 LEES HILL REGAL SYMBOL.....*	41-01	45	5	13-41,45,	116	1.7	12,500	4.20	525	24	82	-675	+.17	-7	-26
09-08-62 131096 346972 5-73				48,91,92	13		13,416	4.02	539						
143322 LEES HILL SOVEREIGN ADAGIO....*		3	9	3-13,21,	12	3.0	13,185	4.22	557	9	29	-385	+.08	-6	-17
12-11-62 137095 365031 5-73				22	15		14,745	3.99	589						
143405 PENN ACRES SUPREME MARK.....*		5	5	2-23,57	17	2.1	13,244	3.94	522	6	41	+105	-.03	0	+3
11-24-62 124652 349225 5-73					8		13,044	4.04	527						
143410 CORRELATIONS ENSIGNS KNIGHT...*		3	15	2-41,45	19	1.9	11,924	3.94	470	35	27	-111	-.01	-6	-8
02-26-63 129686 372335 5-73					8		12,313	4.02	495						
143426 WELCOME IN COMMANDO.....*		8	1	5-23,31,	10	2.6	13,398	3.96	530	0	40	-64	.00	-3	-4
06-04-62 121816 342752 5-73				32,35,52	16		13,677	3.98	545						
143433 WELCOME IN FONO BELL BOY.....*		4	6	2-41,42	14	2.0	12,458	3.87	482	8	33	+337	-.03	+10	+18
08-04-62 135098 378433 5-73					7		11,317	3.95	447						
143565 JILLS PRINCE CAPTAIN.....		1	24	1-42	24	2.4	10,274	3.98	409	**	27	-281	.00	-11	-18
05-02-62 133176 434522 5-73					2		11,204	4.00	448						
143596 MEADOW VIEW DESTINY ANDY.....		1	11	1-41	11	2.6	10,894	3.88	423	**	24	-55	-.01	-3	-4
12-26-62 118619 396591 9-72					11		10,977	3.94	432						
143608 WELCOME IN CLASSIC.....*	31-02	69	7	15-31,43,	210	2.0	11,520	4.05	467	19	87	-918	+.05	-31	-53
05-20-63 121816 220062 5-73				56,58,72	12		12,580	4.01	504						
143610 WELCOME IN BRIGHT STAR.....*		4	13	3-22,35,	30	2.3	13,016	4.22	549	12	41	+58	-.01	+1	+3
03-08-63 121816 391590 5-73				51	30		12,915	4.27	551						
143611 WELCOME IN VOLTAGE O.....*		1	12	1-23	12	1.8	11,405	3.95	450	45	21	-160	.00	-7	-11
06-09-63 140021 410585 5-73					13		12,121	4.02	487						
143612 WELCOME IN STRETCH.....*	33-03	50	31	22-31,33,	139	1.8	14,806	4.14	613	6	61	+553	.00	+22	+35
07-15-62 137399 357372 5-73				35,41,42	21		14,050	4.16	585						
143635 ARTHURST SUPREME LEN.....*		3	9	2-41,42	13	2.0	12,756	3.97	507	0	26	+95	-.05	-2	+1
11-03-62 124652 353055 5-73					17		12,378	4.22	522						
143702 MILLBROOK MEADOWS J.R.K.....*		2	18	1-43	20	3.4	11,858	3.92	465	0	28	-260	.00	-11	-17
02-25-51 99252 366366 5-73					6		12,804	3.95	506						
143718 MEADOW VIEW JUDD.....*		5	22	1-21	34	2.4	13,682	4.02	550	24	36	-100	+.01	-3	-5
01-08-63 131138 383497 5-73					27		14,127	4.02	568						
143719 MEADOW VIEW KAYL.....*		1	22	1-42	22	2.6	11,210	3.95	443	14	27	-106	+.01	-3	-6
12-17-62 128335 396593 5-73					16		11,504	3.96	455						
143723 GREEN PASTURES RAINIER PRINCE.*		8	3	3-42,46,	15	1.7	13,647	3.87	528	10	42	+676	-.04	+22	+39
05-11-62 124788 264047 5-73				91	14		11,984	3.96	474						
143737 GOLDEN BELLS CARSON.....*		3	8	1-41	11	1.7	12,670	4.07	516	57	25	+61	+.01	+4	+5
10-14-62 138032 297295 5-73					9		12,409	4.02	499						
143798 SHARON FARMS GRAND JAOOT.....*		4	12	2-31,32	25	2.2	13,794	3.97	548	11	38	-87	.00	-4	-6
11-16-62 119793 410886 1-73					16		14,196	4.01	569						
143835 OSTVALS SHANES SENECA.....*	91-11	23	2	8-33,35,	33	2.2	12,690	4.07	517	21	65	+125	+.04	+10	+12
09-09-62 134723 337837 5-73				42,46,47	15		12,494	4.01	501						
143873 SHIRLEYS SUPREME SAM.....*		1	10	1-73	10	1.8	14,083	3.98	560	30	21	+74	+.01	+4	+6
03-02-63 124652 374766 5-73					20		13,863	3.95	547						
143884 AVON VIEW TRIXIE LILASON.....*		1	23	1-31	23	2.3	10,276	3.99	410	18	27	-130	-.01	-7	-10
04-10-63 131528 284756 5-73					17		10,576	4.08	432						
143905 SLEEPY MEADOWS SUPREME JEWEL..*		2	8	1-91	10	2.0	14,850	4.22	626	0	24	-124	+.06	+3	-1
04-18-63 107516 337335 5-73					20		15,685	4.00	627						
143934 COLO SPRINGS DON MARKUS.....*		2	19	1-61	23	3.2	11,665	3.80	443	6	31	-68	.00	-3	-5
03-05-63 137736 363053 5-73					15		11,816	3.81	450						
143938 CLOBON HILL CLIPPER.....*		1	11	1-42	11	2.3	11,378	4.17	475	29	23	-234	+.04	-5	-11
06-10-63 118619 425298 5-73					12		12,395	4.03	500						
143939 MEADOW VIEW RHODAN.....*		12	6	4-33,42,	28	2.0	12,269	3.75	460	14	50	-14	-.11	-14	-12
04-05-63 131138 383491 5-73				58,72	12		12,274	3.98	489						
143999 HARRIS HILL MARYS MANDARIN....*		5	29	2-16,21	36	3.1	16,811	4.02	676	3	34	+371	-.04	+10	+19
07-11-62 136479 383527 5-73					14		16,065	4.13	663						
144094 ARBOR ROSE REGAL BOUNCER.....*		8	8	5-73,84,	20	2.5	13,576	4.25	577	0	41	-83	+.09	+8	+4
09-17-62 136022 368157 5-73				86,91,92	66		13,923	4.04	563						
144096 NORVIC SUNWISE ELIJAH.....*		4	17	1-42	32	1.2	11,059	3.81	421	**	34	-132	-.02	-8	-11
01-29-63 124402 416949 5-73					9		11,335	3.90	442						
144118 WELCOME IN PEERLESS M.....*		9	4	3-41,46,	15	2.7	14,217	4.16	591	18	42	+480	+.06	+27	+37
09-14-63 139127 222230 5-73				58	9		13,142	4.03	529						
144130 LA RAINBOW FARDUK.....*		2	31	2-31,32	33	2.1	11,353	4.46	506	30	28	-380	+.12	-1	-12
02-25-63 76059 413345 5-73					20		12,739	4.03	514						
144131 FULLPAIL JANETS PAUL.....*		2	8	2-41,46	10	2.1	11,377	3.92	446	0	24	-106	-.01	-5	-7
06-20-63 123953 288219 9-72					12		11,751	3.97	466						
144154 BENEVOLAS JOYS JUMBO P.....*		3	19	1-51	24	2.8	11,324	4.05	459	0	32	+190	.00	+8	+12
09-29-62 136140 365769 5-73					18		10,531	4.05	427						
144155 BENEVOLAS VELVAS SUPERIOR.....*		3	5	1-51	13	2.8	11,014	4.20	463	20	37	-113	+.04	+1	-3
10-20-62 124652 284981 5-73					27		11,185	4.08	456						
144160 ARBOR ROSE CHAT JIM.....*		4	28	3-35,92,	34	2.1	13,528	4.11	556	14	31	+48	+.01	+3	+4
03-15-62 135099 246219 5-73				93	84		13,467	4.11	553						
144186 SHELBURNE MAGISTRATE.....*		7	38	5-13,16,	51	2.0	15,772	3.95	623	14	33	+237	.00	+9	+15
05-16-63 118019 299739 5-73				21,22,57	44		15,342	3.94	605						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HD	STATES NO- WITH MOST DAUS	...DAUGHTERS AND HEROMATES... DAUS HM/DAU	REC/DAU HEROMATE	MILK	% FAT	FAT	% 1ST INC	% REPT	PREDICTED DIFFERENCES MILK	%	FAT	$$
144240 C. B. SIRE MASTER.....*		4	5	2-33,42	14	2.0	11,854	4.39	521	8	35	+57	+.08	+12	+12
09-04-63 136440 326393 5-73					10		11,611	4.18	485						
144268 L-J TAMARINO BUCKEYE.....*		3	6	2-35,74	12	1.8	11,077	3.86	405	**	29	-236	-.02	-12	-17
09-13-62 138407 381183 5-73					16		11,814	3.77	445						
144283 LEES HILL NOBLE LANOLORO.....*		6	41	4-42,58,	52	2.2	12,932	3.97	514	15	33	+129	+.01	+7	+10
01-19-63 139036 415753 5-73				61,63	12		12,546	3.93	493						
144319 NORVIC LILASONS NOBLEMAN.....*		1	10	1-35	10	2.4	12,142	4.09	497	0	23	+189	+.03	+12	+16
C3-01-63 131528 365779 1-73					11		11,173	3.91	437						
144332 TELLEENS DESTINY ORVILLE.....*		3	21	2-41,42	25	2.5	13,135	3.94	518	13	30	+405	-.04	+11	+21
06-09-63 118619 244666 5-73					9		11,704	4.08	478						
144426 LEES HILL NOBLE BELSHAZZAR....*		6	6	3-51,52,	24	2.3	10,942	3.99	437	13	48	-516	+.01	-20	-32
02-27-63 139036 392640 5-73				58	26		11,972	3.99	478						
144488 RANCHO RUSTIC MY DESIGN.....*	33-03	17	4	9-21,22,	39	1.4	14,195	4.06	576	14	60	+43	.00	+2	+3
09-24-63 139152 291506 5-73				23,35,93	16		14,302	4.06	580						
144543 SHELBURNE MILTON.....*		6	12	3-13,21,	34	2.0	11,841	4.02	476	13	44	-398	+.04	-11	-21
11-26-63 139158 385608 5-73				23	18		12,770	3.94	503						
144591 WHITE CLOUD DAIRYBEES NOTABLE.*		2	40	2-35,41	42	1.9	14,844	3.85	571	26	28	-64	-.04	-7	-8
08-07-63 139036 284581 5-73					15		15,361	3.97	610						
144647 NORVIC LILASONS IVANHOE.....*		1	24	1-46	24	2.1	13,984	4.11	575	13	26	+366	-.01	+13	+22
04-26-63 131528 262643 5-73					9		12,589	4.21	530						
144653 HAWTHORNE FONO HOPE.....*		2	27	1-74	29	2.0	14,052	3.81	535	27	27	+158	-.04	+1	+6
08-26-63 135098 260243 5-73					19		13,578	3.93	533						
144692 WHITE CLOUD DORIS JASON.....*		7	10	4-21,22,	26	2.0	17,336	4.21	730	13	41	+899	+.03	+40	+60
12-26-63 125472 350955 5-73				35,84	19		15,416	4.19	646						
144695 CHAR-LOU COMET.....*		2	14	2-48,52	16	1.4	11,182	4.03	451	0	24	+83	.00	+3	+5
07-08-63 140021 386149 5-73					18		10,640	4.04	430						
144720 HAWTHORNE SUN VICTORY.....*		3	8	2-31,57	13	2.2	11,839	4.37	517	0	29	-261	+.05	-4	-11
04-23-63 124402 235482 5-73					14		12,752	4.23	539						
144741 LEES HILL REGAL COUNT.....*	23-11	18	2	4-21,22,	22	2.4	12,424	4.07	506	17	56	+12	.00	+1	+1
07-17-63 131096 317548 5-73				23,57	10		12,389	4.07	504						
144798 TUOLUMNE TRENO.....*		1	14	1-93	14	3.2	13,435	4.45	598	21	26	-229	+.06	-2	-9
03-11-63 137469 366771 5-73					41		14,529	4.27	620						
144905 NORVIC CUSTOM MADE.....*		3	12	1-42	23	2.2	12,156	4.34	527	16	37	-367	+.17	+6	-6
08-09-63 140971 419907 5-73					10		13,230	3.87	512						
144944 BRIGHTS EMPIRE.....*	63-02	54	8	16-31,42,	176	1.8	12,465	3.90	486	17	84	-410	-.05	-22	-30
04-09-63 118619 434250 5-73				43,63,72	12		13,030	3.95	514						
144960 MEADOW VIEW DESTINY ROC.....*	48-01	41	3	12-41,42,	79	2.0	12,249	4.11	503	19	79	-413	+.11	-3	-15
11-08-63 118619 361718 5-73				45,47,48	11		12,801	3.98	509						
144962 MEADOW VIEW DESTINY MARC.....*		6	47	4-42,74,	60	1.9	12,610	3.87	488	6	32	+91	-.05	-3	0
05-21-63 118619 326401 5-73				84,86	19		12,337	4.06	500						
144983 VINE VALLEY PRANCERS LEADER...*	21-10	29	3	7-12,13,	54	1.8	13,716	3.86	530	16	72	+248	-.12	-6	+3
02-03-64 120448 369267 5-73				16,21,31	16		13,455	4.04	544						
144989 NAKOTA LANCELOT LANCER.....*		4	4	2-45,46	13	2.5	12,227	4.14	506	0	37	-834	+.02	-31	-51
C1-02-64 131138 397825 5-73					8		14,702	4.11	604						
145002 V.B. VRONICKA UNITER.....*		9	12	3-35,41,	27	1.9	10,660	4.20	448	8	38	-596	+.07	-16	-31
11-09-63 120699 402409 5-73				42	7		12,186	4.04	492						
145006 V. B. CZAR MONOPOLY.....*		3	25	3-32,35,	29	1.9	13,113	3.80	498	5	28	+481	-.05	+13	+25
10-19-63 138150 375281 5-73				42	9		11,289	3.94	445						
145079 HEADS CREST HAZELS HANK.....*		1	25	1-73	25	2.6	11,193	4.08	457	7	28	+2	+.03	+4	+3
07-27-62 127853 280313 5-73					13		11,036	3.97	438						
145111 V.J.H. SUNRISE.....*		11	3	4-31,32,	19	1.7	12,664	4.04	512	13	46	-114	+.02	-2	-5
04-09-64 140021 386154 5-73				33,41	10		12,956	4.01	520						
145125 VINOOBONA PEPPERS FLASHY.....*		2	34	1-51	36	2.6	14,151	4.03	570	12	29	+79	-.06	-4	-1
08-06-63 136140 395424 5-73					14		14,034	4.24	595						
145170 SHELBURNE NEVILLE.....*		5	7	3-13,21,	13	3.0	15,668	3.96	620	9	34	+540	-.01	+20	+33
C3-15-64 139158 385618 5-73				23	41		14,257	3.98	568						
145172 LEES HILL NOBLE WATCHMAKER....*		2	8	1-23	10	2.7	10,374	4.41	457	17	25	-348	+.05	-8	-17
02-12-63 139036 332708 5-73					11		11,682	4.21	492						
145194 GREEN KNOLLS CZAR.....*		3	10	1-42	14	2.3	12,973	3.96	514	8	28	-133	-.01	-7	-10
01-18-64 124403 357467 5-73					7		13,559	4.03	546						
145200 KAY-HART OARLIN LAIRO.....*		2	9	2-86,93	11	1.6	13,223	4.24	561	29	23	-122	+.03	-1	-5
11-01-63 139152 375450 5-73					32		13,905	4.15	577						
145218 SWITZER TALS JOHN F.....*		1	10	1-35	10	1.9	12,095	3.93	475	10	22	-189	-.02	-10	-14
11-21-63 139152 440165 1-73					13		13,024	4.05	527						
145490 HAWTHORNE SUPERB.....*		3	6	2-32,33	13	1.4	14,443	3.71	536	14	29	+413	-.09	+5	+17
04-01-64 135098 249240 5-73					19		13,064	3.97	519						
145544 GLORIOUS DESTINY.....*		1	31	1-42	31	1.8	11,174	4.22	472	28	26	-307	+.03	-9	-17
02-17-64 140930 375225 5-73					16		12,357	4.15	513						
145554 V.B. SIRE PHARAOH.....*		3	9	1-42	17	2.0	11,670	4.38	511	7	34	-137	+.07	+3	-2
01-02-64 127854 338432 5-73					11		12,026	4.17	501						
145561 HICKORY LAWN RAGER.....*		12	2	4-33,35,	15	1.9	12,637	4.14	522	18	47	-121	+.06	+2	-2
01-15-64 141750 410575 5-73				42,74	15		12,908	4.03	520						
145634 OAOS OWN MAINLINER.....*		6	3	1-42	11	1.7	10,250	4.06	417	67	34	-442	+.01	-16	-27
07-13-64 139385 422061 5-73					15		11,473	4.04	464						
145649 OSTVALS SHANES LA SALLE.....*		5	4	3-35,42,	12	2.4	13,370	4.05	542	20	35	+4	.00	0	0
01-01-63 134723 267303 5-73				74	15		13,451	4.05	545						
145722 TOP ACRES MONARCH T.....*		4	13	3-21,23,	21	1.9	10,436	3.81	398	13	32	-387	-.04	-20	-28
C2-01-64 133691 406431 5-73				51	8		11,547	3.98	460						
145774 MATTERHORN CARABUE OZARK.....*		3	5	2-91,93	10	1.5	13,533	3.78	512	50	27	-469	-.01	-20	-31
10-25-63 132891 247457 5-73					6		15,560	3.84	597						
145781 WARWICK FARMS REGAL M.....*		3	46	1-31	50	1.8	13,600	4.14	563	10	29	+271	.00	+11	+17
07-06-64 131096 411383 5-73					12		12,671	4.16	527						
145782 WARWICK FARMS LARRY.....*		2	14	1-31	18	2.7	12,676	4.14	525	9	30	+198	.00	+8	+13
06-14-62 116273 351155 5-73					19		11,948	4.18	499						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HO	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HEROMATES ... DAUS HM/DAU	REC/DAU HEROMATE	MILK	%	FAT	% FAT	1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
145799 ELECTORS 308		1	23	1-41	23	2.4	11,108	4.08	453	**	27	-156	+.07	+2	-3
08-26-63 135485 420741 5-73					9		11,604	3.79	440						
145808 LAKE SIDE STARFIRE*		10	2	6-31,33,	14	1.6	13,211	3.82	505	23	42	+415	-.04	+11	+22
06-24-64 140021 410585 5-73				35,43,61	7		12,177	3.92	477						
145809 V.D.H. SUNLIGHT*		2	11	1-31	17	1.6	12,341	4.41	544	35	29	-291	+.02	-9	-16
07-19-64 140021 378423 5-73					11		13,440	4.36	586						
145860 BRAD-LOU GIBRALTARS DUKE*		3	25	2-72,74	32	2.5	14,039	4.05	569	0	33	+84	.00	+3	+5
04-08-63 116273 284577 5-73					26		13,922	4.08	568						
145862 ARBOR ROSE PUNCH SUPREME JED*		3	14	1-86	18	1.5	15,902	4.01	638	18	26	+57	-.02	0	+2
07-15-63 116497 260291 5-73					102		16,034	4.09	656						
145880 ARNOLA SADIES KNIGHT*		1	14	1-55	14	2.1	13,010	4.19	545	0	24	+138	.00	+6	+9
08-21-63 132114 394403 5-73					15		12,414	4.20	522						
145881 ARNOLA BALUOOS PRINCE*		6	16	2-23,55	29	2.0	13,894	4.38	609	8	37	+52	+.11	+16	+15
08-19-63 132114 341751 5-73					23		13,888	4.11	571						
145939 BRIGHTS ROCKET D*		3	14	1-42	28	1.8	13,050	3.91	510	0	38	+262	-.07	+2	+10
09-02-63 133478 427964 5-73					10		12,334	4.09	505						
145958 LEES HILL HIGH NOON*		3	9	2-22,51	21	2.0	14,315	4.21	603	14	38	+244	.00	+10	+16
03-24-64 121816 325683 5-73					19		13,800	4.24	585						
146011 VANS RUBYS SPUTNIK*		1	15	1-42	15	2.5	12,264	4.24	520	7	25	-303	+.04	-7	-15
01-12-63 118619 339275 5-73					11		13,596	4.11	559						
146025 TUDLUMNE SUPREME SPARKLE*		1	27	1-93	27	2.8	15,306	4.31	659	15	28	+156	+.04	+11	+14
10-09-63 124652 379937 5-73					44		15,004	4.21	632						
146026 MILESTONE OZARK LIBERATOR		2	10	2-41,47	12	1.9	12,143	4.00	486	25	24	-79	-.01	-5	-6
04-08-64 112216 272314 5-73					17		12,457	4.10	511						
146046 BREEZY HILL VIRGINIAN 35-75		3	18	2-52,58	22	2.1	16,770	4.10	688	6	29	+638	.00	+25	+40
03-25-64 141750 410584 5-73					18		14,781	4.13	611						
146047 BREEZY HILL CORVAN		2	8	1-52	13	1.9	16,437	4.16	683	0	28	+600	+.02	+27	+40
07-30-64 124652 342104 5-73					20		14,457	4.11	594						
146188 LEES HILL BRAVADO*		6	7	5-11,12,	16	1.6	11,467	3.87	444	11	34	-398	+.02	-14	-24
01-12-64 142224 430121 5-73				16,21,22	14		12,648	3.83	485						
146196 ARTHURST VERNAS SUPREME		4	7	1-42	17	1.1	10,707	4.01	429	**	32	-304	+.02	-10	-17
02-10-63 124652 257213 5-73					3		11,553	3.97	459						
146214 BURSCHVILLES MARIE PAUL		6	7	3-41,57,	17	1.9	12,305	4.04	497	10	36	-410	+.03	-13	-23
04-01-62 123953 349812 5-73				81	7		13,545	3.99	541						
146227 OSTVALS IDEALS MERCURY* 35-21		66	4	11-33,35,	141	1.8	12,875	3.92	505	14	86	+78	-.10	-9	-5
06-26-63 135449 267848 5-73				41,42,74	17		12,814	4.04	518						
146292 SCOTWOOD SOVEREIGN* 48-01		39	3	13-41,42,	74	1.7	13,261	4.10	544	14	76	+380	+.06	+23	+30
03-17-64 131096 408297 5-73				45,48,81	14		12,791	4.03	515						
146293 SCOTWOOD PATRICK LAIRO*		2	7	1-48	13	2.0	11,100	3.73	414	0	32	-250	-.04	-15	-20
10-27-63 109152 369974 5-73					4		11,823	3.89	460						
146316 BEL-AIRS BELL SUPREME ARLIE		1	10	1-21	10	1.5	10,998	4.07	448	**	20	+3	+.03	+4	+3
04-08-64 124652 363675 5-73					23		10,810	3.90	422						
146318 SHELBURNE NORTHSTAR*		2	7	2-11,13	10	2.1	15,745	3.94	621	0	26	+189	.00	+7	+11
10-25-64 138878 251665 5-73					44		15,293	3.95	604						
146379 MEDLANGS ROYAL PRINCE*		4	8	3-42,47,	18	1.2	10,072	4.17	420	**	32	-407	+.03	-13	-23
03-20-64 132841 374955 5-73				86	30		11,239	4.10	461						
146388 SUGAR VALLEY STAROUST*		2	23	1-42	36	1.7	11,491	4.37	502	26	34	-125	+.06	+3	-1
07-07-64 139127 228981 5-73					10		11,789	4.17	492						
146400 FOXTRACTS OESTY JUBILANT* 21-10		15	1	7-13,14,	17	1.9	13,633	3.82	521	13	51	+364	-.11	0	+11
07-01-64 118619 409797 1-73				21,23,31	15		12,964	4.04	524						
146410 FULLPAIL FUTURE GOLDENAIRE*		4	12	2-35,74	17	2.2	13,163	3.93	517	0	30	+401	-.02	+14	+24
09-01-64 140872 318837 5-73					14		11,765	3.97	467						
146456 *		1	27	1-64	27	1.5	11,760	3.95	464	32	24	-325	-.04	-18	-25
5-73					22		13,178	4.14	546						
146479 FRIENDLY ACRES SUES DESIGN*		2	28	2-32,43	30	2.0	10,896	3.85	420	**	28	-105	.00	-4	-6
03-29-64 134804 265168 5-73					13		11,136	3.87	431						
146500 NORVIC LILASONS MONARCH*		4	9	2-42,74	22	1.5	12,013	3.93	472	0	36	-68	-.02	-5	-6
06-29-64 131528 344691 1-73					17		12,166	4.00	487						
146501 NORVIC LILASONS RUSH*		1	17	1-33	17	1.6	10,962	4.13	453	0	23	+19	+.02	+3	+3
07-04-64 131528 361221 5-73					14		10,695	4.04	432						
146508 PLEASANT NOOK CUPID*		4	6	2-35,41	11	2.4	12,035	4.09	492	18	30	-205	+.03	-4	-9
07-24-64 137771 429933 5-73					13		12,748	4.00	510						
146590 CHIC-A-WILS COLONEL*		4	12	3-23,51,	24	2.4	10,760	4.20	452	13	38	-258	+.06	-3	-10
08-12-63 137334 150214 5-73				52	12		11,316	4.06	459						
146608 BRIGHTS BUSTER*		2	13	3-42,46,	15	1.5	14,857	4.03	598	**	24	+377	+.01	+16	+25
03-08-64 113227 379425 5-73				47	7		13,348	3.99	533						
146609 BRIGHTS VALIANT O		1	18	1-42	18	1.8	11,582	4.40	510	0	24	-13	+.03	+3	+2
02-11-64 133478 242578 5-73					3		11,542	4.32	499						
146689 V.B. CRESCENT PALL MALL*		4	11	2-33,74	16	2.0	13,641	4.17	569	0	29	+206	.00	+8	+13
11-24-64 139127 326260 5-73					18		12,985	4.22	548						
146693 HEFTYS MELLO OEAN L.V.A*		9	4	5-35,42,	17	2.2	12,608	4.16	525	25	44	+316	+.06	+20	+26
01-11-64 139124 409400 1-73				46,58,72	15		11,821	4.04	477						
146731 LEES HILL NOBLE JACKPOT*		1	10	1-52	10	1.5	10,485	3.75	393	44	20	-77	-.03	-7	-8
05-25-64 139036 392626 9-72					21		10,699	3.99	427						
146822 KA-DY ARLIES STATESMAN* 21-10		9	2	5-13,16,	13	1.9	12,813	3.88	497	20	42	-107	-.02	-7	-9
08-20-64 120448 337041 5-73				21,22,23	12		13,131	3.95	519						
146892 EOS ROYAL OAN		1	12	1-32	12	2.1	13,717	3.78	519	33	23	+104	-.06	-3	+1
10-14-64 136140 433257 5-73					13		13,338	4.05	540						
146918 ILLINI COLONEL MAJOR* 61-02		27	2	6-31,32,	43	1.9	12,431	3.99	496	11	69	+52	-.02	-1	+1
05-03-64 102954 318282 5-73				33,61,74	13		12,338	4.04	499						
146945 WHITE CLOJO HAMPION N*		6	8	4-21,22,	23	1.5	14,206	4.27	606	18	39	-73	+.02	-1	-3
03-20-65 102073 337837 5-73				31,33	17		14,603	4.27	624						
146947 WHITE CLOJO OOREENS DELEGATE* 23-13		42	3	12-13,16,	76	1.6	14,822	3.97	589	8	78	+1,132	-.02	+42	+69
03-29-65 118619 405768 5-73				21,22,23	16		13,463	4.00	539						

REGISTRATION NUMBER NAME OF SIRE	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES ND- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS HM/DAU	REC/DAU HERDMATE	MILK	% MILK	FAT	% FAT	1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
146996 MORTS LDAMASTERS TIM.....*		5	7	3-31,32,	13	1.9	12,537	4.16	521	17	31	-265	.00	-11	-17
11-08-64 136430 400929 5-73				58	13		13,495	4.19	565						
147029 ABOVE ACRES SUPREME BILL.....*		2	9	1-42	11	2.4	12,830	3.90	501	18	25	+32	-.01	0	+1
09-23-64 121816 317065 5-73					10		12,721	3.93	500						
147031 BEAVER CREEKS INFIELDER.....*		1	12	1-23	12	1.7	11,884	3.85	458	0	21	+167	-.01	+5	+9
04-30-64 114123 308900 5-73					23		10,942	3.92	429						
147043 LITTLE HILLS TODYS PRANCER....*		3	5	2-22,23	11	1.4	12,040	4.04	487	11	28	-119	-.02	-7	-9
01-02-65 134366 337026 1-73					23		12,468	4.15	517						
147049 MILE HI SUPREME DANOY.....*		9	4	4-35,48,	18	1.4	14,471	3.81	551	31	42	+300	-.03	+8	+16
03-18-65 124652 324571 5-73				74,84	25		13,894	3.85	535						
147075 VINE VALLEY CHIPS PAUL.....*	31-02	4	9	1-21	29	1.4	14,678	4.03	592	26	43	+195	-.01	+7	+12
08-06-64 138251 368743 5-73					17		14,407	4.05	584						
147086 TWIN PINES DELMER.....*	61-02	14	2	5-31,33,	18	1.9	12,757	4.10	523	21	51	-200	+.04	-3	-9
11-07-64 121816 378922 5-73				61,74,84	13		13,217	4.05	535						
147126 LUE DELS PEDRO.....*		1	16	1-46	16	1.5	10,045	3.89	391	0	22	-325	+.03	-9	-17
10-11-64 121816 419099 5-73					25		11,402	3.77	430						
147144 ROSELAWN TOPSYS TOPPER.....*	35-75	1	19	1-91	19	2.1	20,116	4.13	831	0	25	+1,072	-.01	+41	+66
09-01-64 124652 352631 5-73					19		16,251	4.23	688						
147151 O HAVEN LDNANCES PERFORMER....*		2	16	1-42	18	1.6	12,369	3.93	486	13	25	-25	+.01	0	-1
03-04-65 139618 438508 5-73					15		12,471	3.94	491						
147172 .....*		3	14	3-35,57,	25	2.5	14,788	3.66	541	4	37	+425	-.02	+14	+24
5-73				58	41		13,754	3.65	502						
147173 V.B. CZAR MAJESTY.....*		6	8	3-35,74,	19	1.6	11,651	3.94	459	6	35	+54	-.03	-2	0
12-19-64 138150 410826 5-73				84	15		11,383	4.07	463						
147207 BRIGHTS GOLDEN.....*	35-05	4	32	2-42,48	38	1.8	15,107	3.87	585	12	29	+532	-.01	+20	+33
06-08-64 124652 434250 5-73					10		13,385	3.88	519						
147246 SWISSCALE GENERAL S.....*		4	23	2-51,58	32	2.0	11,234	3.84	431	26	32	-221	-.05	-15	-19
11-21-63 139591 304409 5-73					35		11,859	4.04	479						
147259 L-J TWILIGHT.....*		2	26	1-31	28	1.8	13,956	4.34	605	26	26	-87	+.02	-1	-3
03-13-64 141750 368157 5-73					32		14,487	4.31	625						
147280 BELL-SONS DESTINY GOVERNOR....*		4	29	4-21,22,	35	1.6	14,003	3.93	550	12	28	-133	-.01	-7	-10
12-24-64 118619 249780 5-73				31,34	29		14,696	3.99	586						
147310 FRIENDLY ACRES EL CHAIRMAN....		1	21	1-64	21	1.7	12,713	3.70	470	31	24	-176	-.02	-9	-13
11-27-64 134804 383514 5-73					11		13,544	3.78	512						
147330 CORRELATIONS SYMPHONY.....*		4	5	1-42	12	2.0	14,631	4.20	614	0	34	+443	+.07	+27	+36
01-02-65 143321 316143 5-73					12		13,395	4.01	537						
147349 MIOOLEPEN SUNNY.....*		3	18	2-57,58	32	1.8	14,113	3.80	536	18	37	+416	-.04	+11	+22
01-18-65 135095 275552 5-73					43		13,027	3.89	507						
147354 JO JAYS WAYFARER TOM.....*		1	19	1-73	19	1.7	11,871	4.06	482	17	24	-199	+.01	-7	-12
08-22-64 129148 393614 5-73					14		12,717	4.05	515						
147363 MEADOW VIEW KING KAYLAB.....*		1	39	1-42	39	1.5	14,189	3.74	531	17	26	+212	-.01	+7	+12
11-07-64 135434 383496 5-73					31		13,453	3.74	503						
147364 MEADOW VIEW DESTINY KARAB.....*	61-02	51	2	10-31,33,	88	1.8	12,259	3.89	477	18	81	-172	-.10	-19	-21
11-21-64 118619 314771 5-73				58,61,74	13		12,466	4.03	502						
147377 KENTON CREEK CHARGER.....*		6	6	3-31,32,	19	1.7	15,888	4.07	646	0	39	+627	-.03	+21	+36
04-02-65 124652 413458 5-73				57	7		14,475	4.16	602						
147395 BRUSH CREEK L. RAMBLER.....*		2	8	1-55	11	1.5	10,111	3.84	388	40	24	-149	-.02	-8	-11
03-04-65 109152 386882 5-73					16		10,543	3.96	417						
147407 ELLAN BINGO REX.....*		5	17	5-22,42,	26	1.7	11,891	4.20	500	15	31	+132	+.06	+13	+15
01-28-64 138489 432093 5-73				74,85,91	12		11,355	3.99	453						
147487 VOLKS VALENTINE.....*		5	3	4-31,32,	11	1.6	11,990	3.95	474	10	34	-240	+.04	-5	-11
02-20-64 138646 420794 5-73				57,58	20		12,717	3.85	489						
147508 PFAFFS MARVELS RUDY.....		1	24	1-41	24	1.8	10,005	4.06	406	**	25	-514	+.02	-18	-30
07-25-64 141778 324303 5-73					8		12,025	4.00	481						
147520 CAROLEGE L. GREG.....*		4	5	3-16,21,	10	1.4	13,624	3.93	535	33	26	+64	-.02	0	+2
02-21-65 125640 257736 5-73				23	21		13,471	4.01	540						
147609 STONES PAVANNE PRINCE.....*		4	6	2-71,73	11	1.2	16,129	3.65	588	**	25	+47	-.09	-10	-7
05-17-65 136140 329711 5-73					10		16,324	3.96	647						
147681 HIDDEN ACRES LAMPLIGHTER.....*		1	14	1-64	14	1.6	13,604	3.92	533	0	22	+197	.00	+8	+13
04-10-65 121816 378928 5-73					34		12,729	3.90	497						
147682 OAOS OWN ALEX.....		2	9	1-42	12	1.1	8,847	3.89	344	89	23	-681	.00	-27	-43
08-05-64 142590 422300 5-73					3		11,806	3.94	465						
147712 DOTTYS CHARGER.....*		3	5	1-21	12	1.7	14,091	3.77	531	0	31	+451	-.09	+7	+19
05-04-65 121816 285011 5-73					5		12,648	4.02	508						
147745 WILLOW BRIDGE RACHELS RAMBLER.*		3	6	2-33,35	13	2.2	13,950	4.03	562	9	33	+195	.00	+8	+12
11-20-63 142759 437705 5-73					11		13,458	4.02	541						
147763 SUGAR VALLEY LIMELIGHT.....*		3	9	2-32,35	13	1.9	14,324	4.19	600	0	27	+284	+.02	+14	+20
04-01-65 139127 387570 5-73					11		13,353	4.15	554						
147794 LEES HILL GEMINI PETE.....*		1	11	1-16	11	1.0	8,556	4.00	342	63	18	-367	+.01	-13	-22
06-23-65 137095 365028 5-73					12		10,363	3.98	412						
147890 LA RAINBOW SUNSET.....*		3	11	2-31,51	16	1.7	12,340	4.15	512	15	28	-242	+.05	-3	-10
02-02-65 141491 433381 5-73					11		13,286	3.98	529						
147901 VO GRIN AIVELL FUTR.....*		3	9	2-35,57	12	1.8	11,285	3.74	422	33	26	-366	-.07	-23	-30
03-06-65 140872 208775 5-73					11		12,741	4.05	516						
147903 LAR-LE S CHIEF KARL.....*		2	8	2-43,48	15	1.7	13,021	3.85	501	9	30	+161	-.02	+4	+8
01-01-65 141907 432863 5-73					18		12,480	3.89	486						
147923 TATEY S KEUFFOR S MASTER CH...*		1	19	1-84	19	1.6	13,735	4.32	593	0	24	+84	+.02	+6	+7
04-03-65 121816 415703 5-73					26		13,476	4.27	575						
147999 COLO SPRINGS JINGO.....*		3	8	3-33,35,	17	1.5	12,027	4.08	491	7	33	-152	+.04	-1	-5
08-19-65 140021 410582 5-73				74	16		12,483	3.99	498						
148104		1	16	1-84	16	2.8	13,424	3.99	536	0	27	+275	-.02	+8	+15
5-73					15		12,378	4.08	505						
148222 SLEEPY MEADOW CHARMING BOY....*		3	9	1-91	13	1.0	15,464	3.85	596	0	23	+230	-.06	+2	+9
08-02-65 121816 416536 1-73					12		14,655	4.07	596						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES AND WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS	REC/DAU HERDMATE	MILK	%	FAT	% IST INC	% REPT	PREDICTED DIFFERENCES MILK	%	FAT	$$
148265 SKYLINES SUPREME CHALLENGER...*		1	16	1-31	16	2.0	10,813	3.93	425	13	24	-472	.00	-19	-30
C9-21-63 124652 347837 5-73					11		12,804	3.98	510						
148271 V. B. CZAR PATRIARCH.....*		1	10	1-45	10	1.0	12,918	3.65	471	0	18	+91	-.02	+1	+4
C7-08-65 138150 356194 5-73					3		12,392	3.74	464						
148336 V. B. CRESCENT ROMERO.....*		4	12	3-41,61,	19	1.6	12,026	4.07	490	16	30	-37	+.03	+2	+1
C8-07-65 139127 445540 5-73				64	12		12,113	3.99	483						
148338 V. B. CRESCENT PLATO.....*		2	18	1-42	23	1.3	12,958	3.86	500	13	27	+89	+.01	+5	+7
C9-29-65 139127 381343 5-73					7		12,639	3.81	481						
148340 V. B. CRESCENT SYMBOL.....*		6	10	4-32,35,	18	1.4	13,275	4.13	548	12	31	-192	+.01	-6	-11
C8-09-65 139127 216052 5-73				42,91	17		14,058	4.13	580						
148342 IDKA SOHONUA CLAUD.....*		1	10	1-35	10	1.4	12,339	4.00	493	10	19	-245	-.02	-12	-17
11-26-65 139536 322231 5-73					23		13,733	4.14	568						
148347 EVERGREEN LANE BURTON.....*		3	19	3-33,58,	23	1.8	14,526	4.18	607	0	28	+358	+.02	+17	+25
C3-25-64 135104 276870 5-73				64	19		13,304	4.13	550						
148351 BENEVOLA GAILS DUKE.....*		2	7	1-51	11	1.9	9,564	4.07	389	0	27	-377	+.02	-13	-22
C4-17-63 124652 340500 9-72					26		10,767	4.03	434						
148402 FRIENOLY ACRES CHARLAD.....*		2	13	2-32,84	15	1.6	11,193	4.09	458	54	24	-418	+.02	-14	-24
02-19-65 121816 441393 5-73					23		12,971	4.02	522						
148404 FRIENOLY ACRES SHADOW.....*		2	14	2-32,74	23	1.6	14,985	4.06	608	14	31	+577	+.04	+28	+40
C4-23-65 131528 177691 5-73					33		13,198	3.94	520						
148453 ROYAL CANDY ACE.....*		1	12	1-41	12	2.2	9,334	3.89	363	**	23	-335	.00	-14	-22
C1-16-62 91234 365280 5-73					9		10,610	3.97	421						
148460 NAKOTA DESTINY DAPPER.....*	41-01	15	5	5-34,41,	37	1.3	13,078	4.04	529	19	57	+813	+.02	+35	+53
12-23-65 118619 397825 5-73				45,48,58	11		11,547	4.01	463						
148487 BLACKLAND BLOSSOMS EL-BRITE...*	35-21	4	19	2-32,33	24	1.5	15,681	4.18	656	4	28	+877	+.03	+39	+59
06-02-65 110327 310406 5-73					10		12,514	4.12	515						
148503 S. C. TERRYS UNIVERSE.....*		1	17	1-32	17	1.4	15,442	4.07	628	18	22	+36	.00	+1	+2
C3-06-65 121816 410554 5-73					15		15,588	4.08	636						
148508 KAY-HART CHARMER VIEW.....*		3	6	2-86,93	14	1.1	15,845	3.96	628	10	30	+401	+.01	+17	+26
C7-28-65 121816 366237 5-73					21		14,706	3.93	578						
148551 WHITE CLOUD JASON S ELEGANT...*	35-05	7	18	5-42,45,	30	1.4	14,572	4.28	624	17	32	+521	+.03	+25	+36
C1-11-56 144692 427630 5-73				47,74,84	26		13,015	4.24	552						
148585 MIDDLEPEN MAC.....*		2	8	2-57,58	11	1.2	12,209	3.75	458	44	23	-234	-.02	-12	-17
C7-01-55 135095 222230 5-73					49		13,327	3.89	519						
148586 MIDDLEPEN REGAL KING.....*		2	7	2-57,58	11	1.2	13,767	3.66	504	22	24	+168	-.05	+1	+6
05-06-64 131096 351201 1-73					55		13,134	3.81	500						
148608 MEADOW VIEW KING JAY.....*		4	6	3-42,43,	11	1.4	11,952	4.01	479	36	26	-285	+.04	-6	-14
C4-12-65 135434 383497 5-73				84	21		13,114	3.87	508						
148609 MEADOW VIEW KING AJAX.....*		5	9	1-42	22	1.7	12,841	4.35	559	0	38	+94	+.14	+22	+21
C4-24-65 135434 454480 5-73					12		12,602	3.98	502						
148632 LAR-LES CHIEF DESIGN.....*		2	7	1-48	12	1.3	10,269	4.22	433	**	27	-411	.00	-16	-26
09-08-65 141907 366569 5-73					26		11,733	4.22	495						
148635 CLOVERIDGE PROCTORS LANCER....		1	17	1-42	17	1.7	12,547	4.37	548	6	24	+329	+.03	+17	+24
08-25-65 139067 363546 1-73					4		11,002	4.30	473						
148637 WHITE CLOUD LADDIES HAWKEYE...*		5	10	3-35,42,	20	1.3	10,917	4.20	459	6	31	-235	+.01	-8	-14
12-30-65 141632 398597 5-73				86	18		11,573	4.19	485						
148679 TWIN OAK FAIRY S MAGIC.....*		1	11	1-41	11	1.2	12,294	4.29	527	**	19	+41	+.03	+5	+5
01-28-65 135095 437365 5-73					3		12,028	4.17	502						
148685 VINE VALLEY DESTY PETER.....*		3	11	1-21	18	1.2	14,455	3.86	558	13	27	+56	-.02	0	+2
09-14-55 118619 368743 5-73					16		14,444	3.93	567						
148753 CORTLAND FELLA CHARGER.....*		1	12	1-35	12	1.6	12,837	4.07	522	20	21	+43	-.01	+1	+2
C9-17-65 139536 401368 5-73					14		12,650	4.10	519						
148770 KA WA DUBLIN ROYAL MAID MAJOR.*	31-02	2	13	2-31,32	18	1.6	14,900	4.13	615	6	28	+296	+.04	+17	+23
09-15-64 142705 253810 5-73					7		13,986	3.99	558						
148777 WHITE CLOUD JASONS DOLPHIN....*		2	16	2-42,61	18	1.3	13,275	3.86	512	12	23	+89	-.03	0	+3
11-02-65 144692 290407 5-73					4		12,934	3.97	513						
148825 RUNNING WELL INKWYL M.LILASON.*		1	11	1-35	11	1.1	10,496	3.82	401	0	19	-66	-.02	-5	-6
C9-24-65 131528 383991 5-73					17		10,671	3.96	423						
148859 ARTHURST EMPEROR.....*		1	11	1-41	11	1.1	12,013	4.25	511	20	19	-111	+.02	-2	-5
C1-05-66 141758 421278 5-73					8		12,624	4.18	528						
148875 COME AGAIN VICTORY S SEAWEED..*		3	7	1-33	18	1.3	13,682	4.14	566	18	33	+190	+.01	+9	+13
11-28-65 121816 426010 5-73					9		13,180	4.13	544						
148888 HIDDEN VIEW SIMON.....*		1	17	1-16	17	1.4	9,582	4.01	384	50	22	-240	+.01	-8	-14
11-25-54 140360 346974 5-73					10		10,455	4.00	418						
148934 V. B. CRESCENT PAROONN.....*		2	7	1-64	12	1.1	13,397	4.01	537	44	25	-229	-.01	-11	-16
C1-26-66 139127 316488 5-73					22		14,537	4.09	593						
148936 V. B. CRESCENT HISTORIAN.....*		4	8	1-35	15	1.4	13,560	4.12	558	8	29	+60	.00	+3	+4
03-12-66 139127 410826 5-73					9		13,447	4.11	552						
148954 V. J. H. SULTAN.....*		2	10	1-31	12	1.7	13,394	3.93	527	0	24	-263	-.01	-12	-18
C2-01-66 144251 220062 5-73					10		14,726	4.02	592						
149006 DUSTY DAWN CHARMING JEWELL....*		3	4	1-61	10	1.2	10,608	3.79	402	40	27	-191	-.04	-12	-16
C3-06-65 121816 325302 5-73					10		11,173	3.98	445						
149040 PINE ACRES CHARMING KING.....*		3	11	3-31,56,	15	1.3	12,219	3.49	427	7	24	-186	-.06	-15	-18
12-01-65 121816 377309 5-73				57	16		13,043	3.77	492						
149043 LOVE S ROSA A GLENN MVM.....*		4	6	4-35,42,	11	1.3	13,772	4.03	555	29	26	-56	+.02	0	-2
12-16-65 128335 370410 5-73				74,86	9		14,160	3.95	559						
149052 ARBOR ROSE MASTER EAGLE.....*		1	14	1-73	14	1.4	13,591	4.11	558	9	22	+32	+.02	+4	+4
09-04-65 117640 440078 5-73					18		13,543	4.01	543						
149088 SUPREMES LADYS NIFTY.....*		2	17	1-31	19	2.1	14,442	4.00	578	13	27	+122	-.06	-3	+1
C7-23-65 124652 345796 5-73					7		14,148	4.26	603						
149187 MEMORY LANE S DESTY SQUIRE....*	21-10	31	2	12-13,16,	49	1.4	13,297	3.95	525	27	70	+220	-.04	+4	+10
03-01-55 118619 312772 5-73				21,23,33	16		13,033	4.00	521						
149267 WHITE CLOUD IVETTA S DORIC....*	35-05	18	2	5-32,33,	24	1.5	12,676	4.02	510	5	57	-106	-.01	-6	-8
06-05-65 144692 296971 5-73				35,41,42	15		12,903	4.07	525						

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS HM/DAU	REC/DAU HERDMATE	MILK	% FAT	FAT	1ST LACT INC	REPT %	PREDICTED DIFFERENCES MILK	% FAT	FAT $$
149301 TALOHA S TITAN.....*		2	5	1-42	10	1.4	13,766	3.94	543	0	26	+169	-.02	+4 +8
01-10-66 131528 444512 1-73					20		13,181	4.02	530					
149350 ABOVE ACRES CHARMER.....*		2	11	1-42	13	1.5	12,688	4.12	523	8	23	+187	-.04	+3 +8
05-06-65 121816 298059 5-73					11		11,808	4.32	510					
149360 V. B. CRESCENT PHILOSOPHER....*	33-03	78	3	27-21,32,	140	1.2	11,094	4.01	445	33	85	-1,341	+.04	-49 -81
04-08-66 139127 338432 5-73				35,41,51	16		12,698	3.98	505					
149363 V.B. CRESCENT PROGRESSOR.....		2	14	2-48,84	16	1.3	11,862	4.12	489	20	23	-241	+.02	-7 -13
05-26-66 139127 431837 5-73					21		12,954	4.05	525					
149445 LOGAN VALLEY S SHANE.....*		2	16	1-47	18	1.5	12,230	4.51	552	28	24	+170	+.06	+14 +17
08-09-65 143835 423683 5-73					17		11,424	4.32	494					
149490 STUETTGEN HOLLYS HAROLD.....*		3	9	2-33,35	12	1.5	13,456	3.68	495	0	25	+122	-.07	-4 0
07-31-65 124652 413752 5-73					8		13,010	3.97	517					
149516 WELCOME IN CULMINATION.....*	35-75	14	4	13-21,31,	31	1.4	12,356	3.96	489	13	56	-137	+.04	0 -4
01-06-66 121816 243949 5-73				32,46,58	17		12,611	3.88	489					
149534 MILE HI MAGIC OOC.....*		4	3	2-74,84	10	1.2	16,400	3.80	623	0	29	+344	-.02	+11 +19
01-03-66 135095 286609 5-73					27		15,518	3.83	594					
149541 PFAFF S LILASON S 80-80.....*		2	7	1-47	10	1.1	12,441	4.24	528	0	22	-153	+.06	+1 -4
07-23-65 131528 458839 5-73					10		13,217	3.98	526					
149554 SHORTY S COOKY S CORKY.....*		3	12	1-42	16	1.1	15,230	4.04	616	40	24	+177	+.02	+10 +14
11-05-65 131528 423606 5-73					6		14,706	3.95	581					
149590 V. O. H. MARK.....*		1	10	1-32	10	1.2	10,824	3.83	415	70	19	-411	-.04	-21 -30
06-01-66 143426 353807 5-73					26		13,096	4.10	537					
149632 HAWTHORNE COMBINATION M.....*		1	20	1-31	20	1.8	10,895	4.09	446	5	25	+81	+.01	+4 +6
11-25-65 141750 207192 5-73					18		10,349	4.09	423					
149643 TUOLUMNE VALIENT.....*		1	10	1-93	10	2.1	15,238	4.37	666	0	22	+63	+.05	+9 +9
08-08-65 144208 366771 5-73					49		15,226	4.22	642					
149699 LYNDALES LILASONS LARRY.....*		2	15	2-42,47	17	1.4	13,831	3.85	532	19	24	+55	+.02	+5 +6
10-30-65 131528 442276 5-73					38		13,684	3.76	514					
149717 WHITE CLOJO LADDIES BERTRAM...*		4	13	2-57,61	20	1.4	12,699	4.00	508	0	29	+187	+.05	+14 +17
02-02-66 141632 405773 5-73					18		11,997	3.79	455					
149734 BRAD-LOU D. MACK.....*		2	11	1-74	13	1.5	14,799	4.16	616	15	24	+231	+.02	+12 +17
02-15-65 145860 444280 9-72					34		13,962	4.08	570					
149746 HEFTYS M. SULTAN.....*		1	14	1-42	14	1.6	11,447	3.64	417	23	22	-212	+.01	-7 -12
07-27-65 144551 454975 5-73					7		12,392	3.62	449					
149766 NELSONS ELAIM RICK.....*		2	8	1-32	15	1.1	14,089	3.89	548	11	27	+129	.00	+5 +8
08-19-66 110327 342165 5-73					19		13,731	3.87	532					
149769 GEARINGS ELAIM SPRITE.....*		1	11	1-35	11	1.6	12,989	4.15	539	9	21	+63	+.02	+5 +6
06-06-65 110327 430059 5-73					35		12,709	4.06	516					
149818 SHELBURNE PIERRE.....*		5	7	3-13,21,	13	1.2	13,359	4.22	564	27	27	-511	+.09	-19 -24
07-18-66 144364 393761 5-73				23	43		15,535	3.96	615					
149838 G. W. S. LONATE LARGO LYLE....*		3	8	3-42,74,	14	1.2	13,580	3.99	542	0	27	+122	-.01	+4 +7
04-27-66 141843 425239 5-73				86	22		13,201	4.01	530					
149842 MILESTONE RINGO.....		2	10	2-41,43	12	1.3	10,645	3.98	424	42	22	-600	+.01	-23 -37
03-11-66 118619 440512 5-73					15		13,457	4.00	538					
149843 LILASONS REWARD.....		1	18	1-52	18	1.6	12,066	3.90	470	6	23	+48	-.06	-5 -3
02-12-65 131528 327968 5-73					10		11,785	4.19	494					
149898 LEN-AR ERMAS LARRY.....*		1	11	1-93	11	1.8	18,200	3.98	725	0	22	+677	+.01	+29 +44
04-29-65 139152 439397 5-73					2		15,380	3.91	601					
149921 CHARMERS KING ANTHONY.....*		1	16	1-43	16	2.4	13,227	3.88	513	14	25	+21	-.01	-1 0
03-18-65 121816 349274 5-73					34		13,212	3.95	522					
149940 HENNAS TORRO.....*		2	11	1-41	13	1.5	11,432	3.88	444	0	23	+151	-.02	+3 +7
01-26-65 112216 447486 5-73					10		10,578	4.02	425					
150000 SHARON FARMS TAMARINOS CEDRIC.*		2	9	2-31,32	18	1.2	15,219	4.16	633	0	31	+810	+.03	+36 +54
02-23-65 133515 426935 5-73					23		12,587	4.10	516					
150013 WANDERVU SUPREME GUS.....*		5	13	2-91,92	29	1.4	14,315	3.97	569	4	37	+226	-.05	+3 +9
10-12-65 124652 280064 5-73					29		13,828	4.09	566					
150047 CLOVERIDGE PROCTORS EMBER.....*		1	18	1-42	18	2.0	10,504	4.32	454	6	25	-199	+.06	0 -6
11-06-64 139067 440850 5-73					3		11,176	4.05	453					
150058 NORVIC SENECA LASLO.....*		2	13	2-42,46	16	1.4	10,972	4.24	465	8	25	-592	+.01	-22 -36
11-21-65 143835 444962 5-73					6		13,434	4.20	564					
150198 WHITE CLOJO LADDIES OORSET....*		1	10	1-35	10	1.1	15,635	3.82	597	20	18	+110	-.03	0 +3
08-23-66 141632 405768 5-73					16		15,311	3.97	608					
150301 G F TRUSTY JEWEL.....*		1	10	1-34	10	1.5	9,217	4.23	390	22	20	-376	+.06	-8 -18
08-21-64 142723 441688 5-73					17		10,986	3.91	430					
150307 L-J RECRUIT.....*		2	11	1-31	14	1.2	13,145	4.29	564	21	24	-122	+.04	0 -4
08-20-66 143612 287853 5-73					16		13,791	4.16	574					
150333 TWIN CREEKS BEATRICES CHARM...*		1	12	1-33	12	1.2	9,799	4.27	418	38	19	-433	+.01	-16 -26
10-11-65 121816 391675 5-73					5		11,981	4.22	505					
150412 V. B. CRESCENT SOUVENIR.....*		1	15	1-74	15	1.1	13,942	4.12	574	27	20	-326	+.01	-12 -20
09-29-66 139127 467155 5-73					29		15,917	4.10	653					
150522 BELL BOY JEWELS SMOKEY.....		1	14	1-41	14	1.6	11,247	3.90	439	15	22	+137	.00	+5 +8
06-02-65 143433 401981 5-73					7		10,419	3.92	408					
150678 R.B.S OUKE.....*		1	14	1-42	14	1.5	11,931	4.18	498	21	22	+377	+.01	+16 +25
03-25-66 135487 414286 5-73					5		9,932	4.20	416					
150692 VENTURES SUNNY BRUCE.....*	31-07	25	3	6-31,32,	51	1.2	13,715	4.18	573	25	68	+482	+.07	+29 +38
09-25-66 107915 390087 5-73				33,35,52	13		13,059	4.09	534					
150693 MEADOW VIEW WINCHESTER.....*		1	28	1-43	28	1.8	14,628	4.01	586	11	26	+149	+.03	+10 +13
01-31-66 131528 379729 5-73					32		14,222	3.89	553					
150791 LEES HILL HIGH SCION.....*		2	17	1-23	19	1.0	10,771	4.03	434	13	22	-111	+.03	-1 -4
08-19-66 145958 430121 5-73					21		11,142	3.92	437					
150799		1	15	1-48	15	1.1	12,471	3.77	470	62	20	-102	-.01	-5 -7
5-73					8		13,027	3.85	501					
150802 KENSER JOAN S OLIVER.....*		3	6	2-22,23	11	1.9	10,915	4.12	450	0	28	-511	+.04	-16 -29
03-22-65 140360 402951 5-73					10		12,747	4.01	511					

REGISTRATION NUMBER NAME OF BULL	STUD CODE	NUMBER OF HEIFERS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS HM/DAU	REC/DAU HERDMATE	MILK	%	FAT	% 1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
150813 VANS HELENS L. B. J.....*		2	8	1-42	10	1.3	13,237	4.02	532	0	21	+270	-.01	+10	+16
C3-21-66 135487 345475 1-73					8		11,887	4.06	483						
150821 SCHULTES 3. BELLBOY.....*		2	10	1-42	12	1.2	10,828	3.95	428	25	21	-265	+.01	-9	-15
11-02-66 138489 366594 5-73					13		12,029	3.92	472						
150941 WESTHAVEN CHARMER ADAM.....*		2	8	2-56,57	10	1.3	12,497	3.82	478	20	21	-123	+.03	-1	-5
01-12-66 121816 454137 9-72					44		13,152	3.69	485						
150943 WESTHAVEN BARNEYS ACE.....*		3	9	2-57,58	12	1.3	15,318	3.62	554	17	24	+398	-.04	+11	+21
02-01-66 123323 454758 5-73					47		13,788	3.69	509						
150954 GRABERS WELCOME DUKE.....*		2	22	2-41,46	24	1.4	12,360	4.25	525	8	25	+127	+.02	+8	+10
05-19-66 124652 344222 5-73					14		11,780	4.17	491						
151022 WHITE CLOUD JASONS LIKEABLE...*		5	5	5-21,35,	12	1.4	15,261	4.15	634	9	31	+251	.00	+10	+16
10-21-66 144692 312225 5-73				47,84,86	35		14,661	4.18	613						
151049 FRIENDLY ACRES SYMBOL.....*		2	9	2-32,57	11	1.2	10,951	3.96	434	64	21	-504	-.01	-21	-32
03-14-66 134804 326393 5-73					19		13,451	4.05	545						
151197 NAKOTA SUPREME LARS.....		1	12	1-46	12	1.0	12,199	3.63	443	44	19	+306	-.03	+8	+16
12-23-66 124652 397825 5-73					5		10,338	3.78	391						
151214 ANDERSON ACRES RAVEL.....*		2	14	2-51,57	16	1.1	11,893	4.04	481	6	22	+103	+.01	+6	+8
11-26-66 145800 454380 5-73					28		11,299	3.98	450						
151372 V.B. CRESCENT ULYSSES.....*		4	6	3-22,33,	16	1.1	13,759	3.99	549	19	32	+102	.00	+4	+6
12-09-66 139127 402409 5-73				42	16		13,546	3.98	539						
151646 HEFTY ROYAL ROCKET.....*		2	6	1-42	11	1.0	11,327	3.61	409	36	25	-603	+.01	-23	-37
10-17-66 144067 340199 5-73					25		13,902	3.65	508						
151674 PFAFF LODESTAR DUSTY.....		1	11	1-41	11	1.0	11,483	4.11	472	0	18	-47	+.02	0	-1
09-13-66 133888 283488 5-73					13		11,660	4.02	469						
151703 L-J JERRY S.....*		2	8	1-31	14	1.4	13,871	4.28	593	15	28	-84	+.07	+5	+2
10-12-65 143612 331496 5-73					16		14,359	4.06	583						
151804 RIVER RIDGE FAIR LADDIE.....*		3	6	1-42	18	1.5	12,812	3.72	476	17	36	-219	-.05	-15	-19
07-21-66 133478 432507 5-73					10		13,518	3.85	521						
151871 TUOLUMNE DLE AUDEN.....*		1	12	1-93	12	1.3	18,166	4.20	763	8	20	+614	+.01	+26	+40
10-03-66 124652 428635 5-73					47		15,347	4.21	646						
151907 GRANTSTEAD PROUD CLARION.....*		1	12	1-32	12	1.4	16,888	3.49	589	17	21	+134	-.07	-3	+2
01-03-67 143754 293962 5-73					20		16,651	3.74	622						
152016 PORT HAVEN MATADOR P.....		1	14	1-47	14	1.1	12,139	3.90	474	15	20	+433	-.02	+15	+25
07-02-66 135324 310231 1-73					17		9,653	4.02	388						
152080 V 3 LORO CREMELLE.....*		2	5	2-35,42	10	1.0	10,877	4.05	440	10	24	-347	+.04	-9	-18
10-01-67 148340 482302 5-73					14		12,332	3.89	480						
152198 SUGAR VALLEY TITAN.....*	93-19	5	5	2-42,74	11	1.0	16,883	3.87	654	27	26	+853	+.02	+37	+56
01-19-67 139127 438495 5-73					15		13,723	3.75	515						
152578 D HAVEN LILA JASON.....*		2	10	2-42,84	12	1.1	11,687	4.05	473	0	21	-58	+.02	0	-2
01-18-67 130709 419221 5-73					16		11,909	3.97	473						
152933 MAPLE LAKE DANCER.....*		1	11	1-33	11	1.4	10,524	4.09	430	18	20	+92	-.01	+3	+5
09-15-66 121816 309564 1-73					13		9,788	4.12	403						
153221 SCHULTE CLIPPER.....*		2	6	1-42	11	1.3	13,791	3.86	533	**	26	+181	-.02	+5	+10
02-17-65 117638 502385 5-73					7		13,152	3.91	514						
155271 REA-MOR ROYAL HARRY.....*		1	12	1-23	12	1.3	15,476	4.01	621	9	20	-251	+.03	-6	-13
01-28-66 133297 403569 5-73					20		17,217	3.91	674						
56WA06701		1	35	1-56	35	2.0	13,032	4.24	553	10	27	-58	+.06	+5	+2
5-73					3		13,331	4.04	538						

REGISTRATION NUMBER NAME DF BULL	STUD CODE	NUMBER DF HEROS	EFF DAU /HD	STATES ND- WITH MDST DAUS	... DAUGHTERS AND HEROMATES ... DAUS	REC/DAU HM/DAU	HERDMATE	MILK	%	FAT	% FAT INC	1ST	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
70154 BARRINGTON AMBASSADOR.....*	11-01	8	1	4-11,13,	10	1.6		8,775	3.67	322	**	35		-150	+.01	-5	-9
03-02-50 2155380 113540 5-73				14,35	5			9,078	3.68	334							
79581 LA FRAISE DUKE 3D.....*	35-75	22	7	10-13,31,	74	2.3		10,364	4.02	417	21	73		+134	+.20	+26	+25
03-21-50 2213443 27761 5-73				41,42,91	8			10,165	3.75	381							
127671 BARRINGTON DOUBLE ARTHUR.....*	41-01	11	4	7-11,21,	25	2.7		9,299	3.74	348	**	54		-344	-.01	-14	-22
10-15-51 2165380 113543 1-73				33,41,63	8			9,895	3.79	375							
174687 GRASSY LANE GLOBAR.....*	91-11	15	3	4-41,42,	33	1.9		9,864	3.56	351	29	60		+121	-.02	+2	+5
09-17-53 112761 22064 5-73				71,73	11			9,592	3.59	344							
176159 BARRINGTON FIRELIGHT.....*	34-01	1	18	1-34	18	4.0		8,659	3.40	294	**	28		-29	-.02	-3	-3
11-06-53 2155380 18013 5-73					6			8,597	3.49	300							
176356 .....*		2	28	2-13,93	30	2.9		10,955	3.69	404	**	30		-11	.00	0	0
5-73					37			11,071	3.67	406							
181531 LILYDALE CHAMPION DUKE 3D.....*	33-03	24	4	13-11,21,	48	2.1		10,536	3.77	397	16	69		+356	+.04	+17	+25
11-10-53 80394 11648 5-73				31,35,41	10			9,986	3.72	371							
183510 EAGLES EYE SKYLIGHT.....*	11-01	11	6	3-11,12,	32	2.3		9,210	3.69	340	30	55		+139	-.02	+3	+7
04-13-53 70917 60125 5-73				14	8			8,807	3.75	330							
189693 BARRINGTON HARDY.....*	35-75	24	12	11-13,31,	87	2.1		10,339	3.69	381	**	68		-81	+.02	-1	-3
05-23-54 2165380 113544 5-73				35,42,93	20			10,477	3.67	385							
192957 BARRINGTON WARRIOR.....*	41-01	6	20	2-35,41	35	3.3		9,698	3.87	375	**	38		-76	+.04	+1	-1
01-12-54 119 2341213 5-73					10			9,853	3.78	372							
195223 LILYDALE MARTA-S CHESS.....*		5	5	3-35,43,	14	3.9		10,308	3.70	381	0	40		+78	-.02	+1	+3
08-16-54 39852 8902 5-73				47	12			10,089	3.74	377							
195525 FLOYD CREST DAIRYMASTER.....*	35-75	26	8	11-31,32,	89	2.3		10,466	3.70	387	16	74		+503	-.01	+18	+30
09-29-54 128075 126961 5-73				41,42,91	8			9,729	3.71	361							
203661 WILLO LANE DAIRYMAN.....*	35-75	29	10	11-13,31,	106	2.4		10,024	3.65	366	18	75		+171	-.05	+1	+6
02-05-55 133185 2247564 5-73				32,41,42	8			9,737	3.73	363							
204667 EVERGREEN MINNIE CHAMP.....*		2	6	1-41	12	1.9		8,508	3.55	302	**	30		-142	-.02	-7	-10
05-20-55 130851 103038 5-73					7			8,835	3.63	321							
215779 BLACKWOOD KING 3D.....*	33-03	8	2	7-12,21,	11	1.9		9,897	3.59	355	38	38		+17	-.03	-2	-1
03-24-54 130451 2183290 5-73				41,42,43	9			9,802	3.67	360							
225620 SALONA SEARCHLIGHT 6TH.....*	61-02	8	3	6-13,23,	18	2.2		9,021	3.68	332	23	48		-288	+.01	-10	-17
12-04-55 12038 43302 5-73				31,33,42	7			9,555	3.69	353							
226765 JUPITERS PALERMO PRIDE.....*		4	21	2-35,41	45	2.6		9,169	3.90	358	18	43		-164	+.08	+2	-3
01-17-56 178412 2098230 5-73					5			9,467	3.70	350							
228867 ERDRA MAJESTY.....*	61-02	34	9	15-33,41,	114	2.0		10,861	3.48	378	19	77		+464	-.09	+7	+20
02-23-56 121249 2450309 5-73				48,71,73	12			10,250	3.59	368							
242048 SILVER GIFT-S SUCCESSOR 2D....*		8	10	3-33,71,	42	1.9		9,796	3.64	357	14	52		-68	+.01	-1	-3
04-12-57 130801 130803 5-73				73	7			9,885	3.63	359							
242406 NEWSTEAD SCARLET PIMPERNEL....*		12	4	9-21,23,	22	1.8		9,199	3.72	342	9	49		-123	+.02	-3	-6
05-10-57 010349160 242405 5-73				33,35,42	6			9,358	3.70	346							
244327 SALONA REDCOAT 25TH.....*	35-21	5	14	4-23,35,	24	2.2		9,349	3.83	358	27	34		-227	+.03	-5	-11
03-23-57 8385 164757 5-73				41,47	14			9,978	3.77	376							
245066	41-01	7	4	2-48,73	12	1.7		10,297	3.70	381	14	34		+47	.00	+2	+3
5-73					3			10,142	3.68	373							
247628 THREE SPRINGS ARTHUR.....*	61-02	23	16	13-11,13,	77	2.2		9,351	3.65	341	15	60		-594	-.03	-25	-38
07-14-57 238220 11354 5-73				23,33,43	12			10,343	3.71	384							
253683 ROBIN-S CINDY LOCHINVAR.....*	41-01	24	14	6-11,35,	76	2.3		9,681	3.63	351	28	62		-131	-.01	-6	-9
10-25-56 132852 183573 5-73				41,42,47	13			9,848	3.66	360							
253975 TOPS 60 DJALLYN LOU-S MASTER..*		6	7	5-32,42,	16	2.9		10,774	3.55	382	8	38		-5	.00	0	0
12-21-57 32190 2144588 5-73				47,73,84	14			10,644	3.51	381							
260385 LILYDALE DAIRYMAN 2D.....*		6	42	4-23,42,	61	2.4		10,161	3.65	371	11	37		+129	-.02	+3	+6
10-06-58 71726 141572 5-73				43,51	10			9,751	3.69	360							
260794 SPRING BROOK ROBIN HOOD.....*	33-03	33	6	17-11,21,	83	2.4		10,912	3.63	396	11	76		+108	-.04	0	+3
12-23-58 101321 118845 5-73				32,71,86	11			10,821	3.68	398							
263279 INNISFAIL HARDY 50TH.....*	93-01	4	11	2-91,93	25	1.9		9,692	3.69	358	21	39		-314	+.03	-9	-17
09-05-58 189693 175184 5-73					24			10,519	3.64	383							
271253 TWILOD DOUBLE ROBIN HOOD.....*	33-03	12	15	10-11,21,	44	2.4		9,644	3.74	361	13	48		-197	+.02	-5	-10
08-01-59 38714 25780 5-73				31,33,42	14			10,028	3.72	373							
271320 .....*		4	10	2-31,51	23	1.6		7,550	3.60	272	**	37		-146	.00	-5	-9
5-73					8			7,684	3.63	279							
272008 BARG-S DAIRY KING 5TH.....*	35-75	8	19	5-11,31,	54	1.9		10,809	3.65	394	15	47		+134	-.02	+3	+7
09-27-59 192427 2324130 5-73				35,42,82	9			10,547	3.69	389							
272215 LILYDALE DAIRYMAN 4TH.....*		16	10	8-23,43,	51	2.7		11,371	3.50	398	0	61		+145	-.05	0	+4
07-24-59 71726 141564 5-73				47,71,73	13			11,223	3.56	400							
272421 ADAM.....*	35-21	7	6	4-41,42,	19	1.5		9,086	3.49	317	25	38		-211	-.02	-10	-15
08-07-59 225278 2349740 5-73				43,91	8			9,565	3.57	341							
275109 FLINTSTONE PIONEER.....*		4	12	3-14,47,	23	2.7		8,973	3.74	336	23	37		-195	-.01	-8	-12
04-25-59 214854 71280 5-73				51	9			9,411	3.81	359							
276982 ROSE-MONT ADAIR.....*	41-01	13	2	7-11,23,	20	1.7		9,258	3.66	339	15	51		-443	-.03	-19	-29
02-10-60 233921 126089 5-73				41,42,48	9			10,136	3.73	377							
278101 WEG ACRES BARRINGTON TULIP....*	93-19	6	20	5-31,35,	34	1.9		9,542	3.54	338	21	35		-87	+.01	-2	-4
06-13-59 127672 204388 5-73				41,71,73	19			9,736	3.53	344							
280817 HILLROCK KITTY-S CHAMP.....*		1	12	1-45	12	3.2		9,167	3.72	341	0	24		-76	.00	-3	-5
11-21-59 236979 80692 5-73					10			9,402	3.75	353							
282013 .....*		2	17	1-92	19	1.5		9,665	3.63	351	**	24		0	-.05	-5	-4
5-73					8			9,598	3.92	376							
282755 .....*		1	16	1-41	16	2.9		9,647	3.66	353	9	26		+21	-.01	0	+1
5-73					9			9,485	3.75	356							
287990 .....*		2	8	1-43	11	2.0		9,266	3.65	338	33	26		-125	.00	-5	-8
5-73					17			9,696	3.69	358							
288871 .....*		3	9	1-73	13	3.2		9,152	3.51	321	**	30		-31	.00	-1	-2
5-73					10			9,143	3.53	323							
289251 .....*		2	8	1-42	10	2.1		10,846	3.78	410	0	24		+154	+.03	+9	+12
5-73					19			10,230	3.63	370							

REGISTRATION NUMBER	NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES ND- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS HM/DAU	REC/DAU HERDMATE	MILK	%	FAT	% 1ST INC	% REPT	PREDICTED DIFFERENCES MILK	%	FAT	$$
289286	.....	*	6	8	1-41	28	2.4	10,718	3.68	394	24	48	+280	+.02	+12	+18
		5-73				8		10,113	3.64	368						
289924	.....	*	1	21	1-35	21	1.8	9,364	3.60	337	21	24	-171	+.01	-5	-9
		5-73				13		10,057	3.60	362						
290454	.....	*	3	7	2-35,41	16	2.8	9,579	3.65	350	17	37	-97	-.04	-8	-9
		5-73				14		9,794	3.81	373						
291337	.....	*	1	25	1-34	25	2.1	9,607	3.42	329	7	26	-60	+.01	-1	-3
		5-73				2		9,787	3.39	332						
292741 LAGD-S PRINCE MARK.....		* 87-01	4	3	1-82	10	2.0	11,555	3.65	422	22	33	-96	+.02	-1	-4
C6-18-61 255726 252603		5-73				5		12,018	3.59	432						
292879 MYSTERY PIMPERNEL COUNT 2D....		*	2	20	1-41	22	2.8	10,425	3.70	386	25	28	+292	+.02	+13	+20
C9-14-61 242406 246890		5-73				15		9,296	3.61	336						
292885 MINN. FOURTH FLAME.....		* 41-01	6	3	5-21,41,	16	2.5	9,828	3.80	373	0	44	-85	+.07	+4	+1
C4-05-61 206854 208701		5-73			42,45,46	9		9,990	3.62	362						
295919	.....	*	1	32	1-93	32	2.5	11,387	3.71	423	18	28	+141	+.02	+7	+10
		5-73				38		10,954	3.65	400						
297790	.....	*	1	11	1-42	11	2.5	9,668	3.49	337	**	23	-99	-.04	-8	-10
		1-73				18		10,082	3.72	375						
297935	.....	*	5	6	2-35,42	20	1.9	9,205	3.66	337	29	41	-325	.00	-12	-20
		5-73				5		9,966	3.67	366						
299803	.....	*	4	14	3-35,41,	19	1.8	10,323	3.85	397	18	29	+57	+.02	+4	+5
		5-73			42	13		10,107	3.78	382						
302361	.....	*	6	8	2-35,41	21	1.4	9,826	3.75	368	24	37	-99	+.03	-1	-4
		9-72				9		10,073	3.71	374						
302767	.....	*	1	13	1-35	13	2.7	10,211	3.78	386	0	25	+55	+.06	+8	+8
		5-73				11		9,955	3.54	352						
303727	.....	* 35-21	10	14	5-35,41,	32	2.4	10,158	3.75	381	9	42	+34	-.01	0	+1
		5-73			42,47,86	8		10,051	3.79	381						
304137	.....	*	3	12	1-47	26	2.4	9,253	3.69	341	15	40	-185	+.04	-3	-8
		5-73				10		9,657	3.59	347						
304430 KAIWAREHOU DUKE.....		*	6	23	4-35,41,	32	2.2	13,180	3.60	474	7	33	+594	-.08	+13	+29
C9-10-53 010017915 010040978		5-73			43,73	8		11,473	3.83	439						
304750	.....	*	5	18	4-23,32,	27	1.9	11,868	3.64	432	26	33	+226	.00	+8	+13
		5-73			35,41	13		11,270	3.64	410						
304811	.....	*	5	4	4-33,42,	10	1.9	11,454	3.63	416	0	30	+362	.00	+13	+22
		9-72			47,84	8		10,218	3.64	372						
305879	.....	*	5	5	4-33,42,	19	1.7	11,999	3.82	458	15	41	+492	+.04	+23	+34
		5-73			47,84	7		10,836	3.73	404						
306169	.....	*	5	5	5-11,13,	13	1.3	9,989	3.64	364	0	32	-89	-.07	-10	-11
		1-73			14,21,82	8		10,267	3.90	400						
306246	.....	*	16	4	12-23,35,	33	2.0	10,601	3.57	378	9	61	+15	-.02	-1	0
		5-73			42,45,73	15		10,606	3.59	381						
307246	.....	*	1	12	1-35	12	2.3	9,828	3.85	378	**	23	-89	+.02	-1	-4
		5-73				10		10,205	3.81	389						
307535	.....	*	2	10	1-42	19	1.6	9,338	3.59	335	40	33	-415	-.04	-19	-28
		5-73				17		10,635	3.73	397						
308353	.....	*	2	9	2-31,35	11	2.1	9,173	3.50	321	29	24	-307	-.01	-12	-19
		5-73				14		10,462	3.56	372						
308395	.....	*	3	9	2-35,43	19	2.1	9,771	3.74	365	**	37	-52	+.02	0	-2
		5-73				16		9,872	3.67	362						
308992	.....	*	2	8	1-71	10	2.2	10,739	3.43	368	33	24	+216	-.05	+3	+9
		5-73				13		9,793	3.58	351						
309596	.....	*	2	6	1-45	12	1.8	10,622	3.48	370	14	29	-53	-.02	-4	-5
		5-73				12		10,862	3.58	389						
311770	.....	* 41-01	7	2	6-31,33,	10	1.5	13,217	3.62	478	0	34	+787	-.02	+27	+46
		5-73			35,41,42	7		10,983	3.66	402						
311961	.....	*	3	20	2-43,73	24	1.7	10,116	3.56	360	7	27	-380	+.01	-13	-22
		1-73				17		11,644	3.55	413						
311970	.....	*	8	7	3-31,41,	25	2.4	12,174	3.45	420	14	47	+391	-.10	+4	+15
		5-73			91	6		11,451	3.62	415						
312671	.....	* 61-02	16	5	6-33,35,	36	2.1	10,436	3.65	381	18	59	+103	.00	+4	+6
		5-73			41,91,93	21		10,256	3.65	374						
312720	.....	*	6	4	4-32,47,	15	2.7	12,498	3.49	436	0	42	+470	-.03	+14	+26
		5-73			71,73	13		11,484	3.52	404						
313022	.....	*	3	10	2-35,41	22	2.1	11,331	3.58	406	19	38	+117	+.01	+5	+8
		5-73				9		11,104	3.54	393						
314067	.....	*	1	12	1-93	12	1.4	12,547	3.67	460	0	20	+283	+.01	+11	+18
		5-73				41		11,254	3.65	411						
314597	.....	*	12	2	8-31,71,	20	1.6	12,548	3.46	434	16	49	+836	-.08	+22	+43
		5-73			73,82,93	9		10,916	3.57	390						
315375	.....	*	3	42	2-35,41	48	2.0	9,852	3.60	355	28	30	-53	.00	-2	-3
		5-73				14		10,003	3.64	364						
316121	.....	*	3	13	3-14,73,	18	1.9	9,324	3.81	355	28	28	-168	+.01	-5	-9
		5-73			82	12		9,879	3.80	375						
316365	.....	*	1	16	1-34	16	1.7	11,285	3.78	427	38	23	+148	+.04	+10	+13
		5-73				4		10,684	3.58	382						
316521	.....	*	2	9	1-42	11	1.8	8,711	3.48	303	22	24	-235	-.02	-11	-16
		5-73				6		9,630	3.61	348						
316553	.....	*	1	13	1-11	13	1.5	6,936	3.78	262	27	22	-340	+.03	-10	-19
		1-73				11		8,324	3.68	306						
317993	.....	* 35-21	4	10	1-42	23	1.8	11,762	3.80	447	0	38	+451	.00	+17	+28
		5-73				9		10,599	3.80	403						
317995	.....	*	3	9	2-35,41	14	1.4	8,872	3.96	351	46	26	-422	+.06	-10	-21
		5-73				11		10,508	3.77	396						

REGISTRATION NUMBER	NAME OF BULL	STUD CODE	NUMBER OF HEROS	EFF OAU /HO	STATES NO- WITH MOST OAUS	... DAUGHTERS AND HEROMATES ... OAUS	REC/OAU HM/OAU	HEROMATE	MILK	%	FAT	% 1ST LACT INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
318356	*		2	12	1-93	14	1.6	10,456	3.68	385	38	24	-133	+.04	-1	-5
	5-73					8		11,104	3.57	396						
318395	*		3	8	1-91	18	2.1	10,493	3.56	374	12	36	+436	-.02	+14	+25
	5-73					8		9,165	3.61	331						
318628	*		3	10	2-23,73	16	1.9	10,226	3.80	389	7	31	+73	+.02	+5	+6
	5-73					13		9,952	3.75	373						
319171	*		4	13	3-35,41,	18	2.2	10,551	3.90	418	17	30	-51	+.06	+4	+2
	5-73				47	10		10,772	3.79	408						
319307	*		2	12	1-42	18	2.1	10,954	3.72	408	22	31	+185	+.04	+11	+15
	5-73					15		10,359	3.60	373						
319736	*		3	19	2-23,32	23	1.9	11,109	3.60	400	9	28	-51	+.01	-1	-2
	5-73					9		11,405	3.59	410						
320299	*		2	8	1-45	11	1.6	10,780	3.80	410	30	24	-77	+.09	+6	+3
	5-73					10		11,192	3.43	384						
320857	*		2	10	2-35,41	19	1.9	12,999	3.72	484	11	35	+416	+.06	+22	+31
	5-73					10		11,977	3.56	426						
321017	*	35-21	17	4	7-35,41,	35	1.5	9,700	3.55	344	16	60	-422	-.02	-18	-28
	5-73				42,47,71	11		10,418	3.61	376						
321154			1	19	1-47	19	1.6	10,023	4.04	405	0	24	-38	+.08	+5	+1
	5-73					10		10,408	3.69	384						
322009	*		1	12	1-73	12	1.6	8,628	3.30	285	0	21	-141	-.03	-8	-11
	5-73					10		9,194	3.48	320						
322556	*		2	7	1-42	12	1.3	8,933	3.68	329	50	27	-240	+.04	-5	-11
	5-73					8		9,783	3.57	349						
322820	*		3	8	2-31,35	11	2.0	10,062	3.30	332	20	26	-46	-.06	-8	-8
	5-73					11		10,233	3.58	366						
322822	*		5	6	3-32,35,	16	1.3	10,930	3.72	407	7	33	+111	+.05	+9	+11
	5-73				41	12		10,622	3.59	381						
322823	*		7	3	4-43,47,	14	1.7	10,723	3.48	373	25	39	+28	-.07	-6	-4
	5-73				73,82	12		10,691	3.67	392						
324235	*		1	29	1-42	29	1.5	10,504	3.47	364	17	25	+17	-.04	-3	-2
	5-73					10		10,449	3.63	379						
324529	*		2	9	1-32	11	1.1	13,748	3.59	493	64	21	+435	-.02	+14	+25
	5-73					14		11,772	3.64	428						
324563	*		1	10	1-51	10	1.0	7,221	3.68	266	44	18	+2	.00	0	0
	1-73					8		6,867	3.66	251						
324602	*		1	14	1-41	14	1.3	9,095	3.67	334	21	21	-368	+.08	-6	-16
	5-73					7		10,950	3.32	364						
324805	*		3	9	2-42,43	14	1.5	8,708	3.69	321	42	27	-435	.00	-16	-26
	5-73					17		10,352	3.73	386						
324908	*		3	8	2-31,35	16	1.8	9,940	3.68	366	13	33	-89	+.01	-2	-4
	5-73					14		10,207	3.68	376						
325048	*		6	2	4-31,41,	10	1.5	12,132	3.83	465	10	32	+75	+.08	+11	+11
	5-73				42,73	11		12,076	3.61	436						
325292			1	17	1-73	17	1.2	8,852	3.42	303	7	21	+8	-.05	-5	-4
	5-73					5		8,646	3.79	328						
325341	*		3	7	2-73,86	10	1.2	9,975	3.61	360	11	23	-169	+.02	-4	-8
	1-73					13		10,776	3.53	380						
325801	*	35-75	11	2	8-11,23,	14	1.4	10,840	3.80	412	0	42	+326	+.03	+15	+22
	5-73				41,47,82	12		10,038	3.74	375						
325915	*	33-03	14	3	10-23,42,	27	1.2	10,953	3.63	398	24	53	-96	+.02	-2	-5
	5-73				43,71,86	13		11,229	3.62	407						
326678	*		2	9	1-42	12	1.3	10,207	3.71	379	38	23	+8	.00	0	0
	1-73					11		10,156	3.77	383						
326785	*		2	14	2-35,42	18	1.3	10,220	3.77	385	6	25	+140	-.02	+3	+7
	5-73					6		9,582	3.87	371						
326961	*		4	7	1-41	17	1.2	11,594	3.47	402	13	32	+55	-.04	-2	0
	1-73					10		11,545	3.59	415						
329446	*		1	12	1-41	12	1.3	7,798	3.77	294	33	20	-154	+.01	-5	-9
	1-73					15		8,387	3.77	316						
330838	*	35-75	3	8	2-41,84	16	1.4	12,406	3.63	450	13	31	+477	-.03	+14	+26
	5-73					9		10,947	3.73	408						
360001815			6	2	2-42,71	11	1.0	12,292	3.64	448	18	31	+496	.00	+18	+30
	5-73					10		10,752	3.63	390						
73WAC5330			1	17	1-73	17	1.7	7,772	3.73	290	**	23	-197	+.03	-4	-9
	5-73					4		8,452	3.57	302						

REGISTRATION NUMBER NAME DF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS HM/DAU	REC/DAU HERDMATE	MILK	%	FAT	% 1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
21D TETRA PAK 619 HOJA.....	34-01	11	15	2-32,34	95	2.4	13,G1D	3.87	504	28	67	+38	-.01	0	+1
01-16-58 01DD26148 D10DD013 5-73					10		12,939	3.90	505						

REGISTRATION NUMBER	NAME OF BULL	STUD CODE	NUMBER OF HERDS	EFF DAU /HD	STATES NO- WITH MOST DAUS	... DAUGHTERS AND HERDMATES ... DAUS HM/DAU	REC/DAU HERDMATE	MILK	% MILK	FAT	% FAT	1ST INC	REPT %	PREDICTED DIFFERENCES MILK	%	FAT	$$
23ACS3463			1	10	1-23	10	2.0	12,046	3.76	453		20	21	+50	-.01	+1	+2
	5-73					2		11,531	3.83	442							
23ADU1550			1	10	1-23	10	1.7	11,993	3.89	467		**	20	+83	+.02	+6	+7
	1-73					2		11,274	3.82	431							

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